

Clinica Chimica Acta
Cumulative
Author and Subject
Index

Vols. 196-204

(Covering 1991)



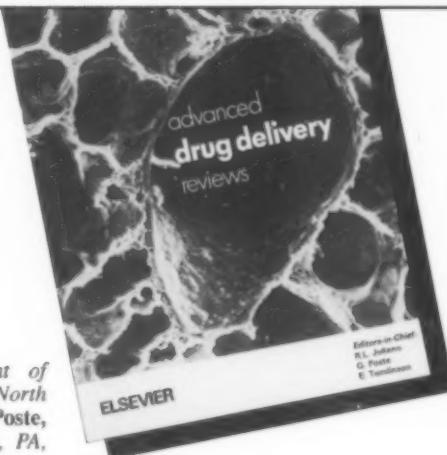
International Journal of Clinical
Chemistry and Medical Biochemistry

ISSN 0009-8961
CCATAR 204 (suppl.) 1-104 (1991)

Elsevier

ADVANCED DRUG DELIVERY REVIEWS

EDITORS-IN CHIEF: R.L. Juliano, *Department of Pharmacology School of Medicine, The University of North Carolina at Chapel Hill, NC 27599-7365, U.S.A.*, G. Poste, *Smith Kline Beecham Pharmaceuticals, Philadelphia, PA, U.S.A.*, E. Tomlinson, *Somatix Corporation, 1 Kendall Square, Cambridge, MA 02139, U.S.A.*



AUDIENCE: Pharmaceutical scientists, clinical pharmacologists, chemical engineers and biotechnologists.

Advanced Drug Delivery Reviews publishes comprehensive yet critical review articles on current and emerging aspects of research into the design and development of advanced drug delivery systems and their application to experimental and clinical therapeutics.

Articles review the current status of a specific topic giving equal emphasis to:

- the identification of the major problems that must be solved to allow further successful development,
- evaluation of shortcomings in current conceptual and technical approaches
- discussion of possible solutions to these difficulties.

The scope of the journal is broad and does not focus exclusively on particular delivery systems or target diseases.

Advanced Drug Delivery Reviews is an authoritative forum for the critical analysis of research efforts across the entire spectrum of current investigations in advanced drug delivery systems and their applications in human and veterinary medicine and in agriculture.

ABSTRACTED/INDEXED IN: Excerpta Medica (EMBASE); Chemical Abstracts; Biological Abstracts

Subscription Information 1991: Volumes 6 & 7 (2 vol. in 6 issues)

Price: US \$ 533.75 / Dfl. 950.00 including postage and handling ISSN 0169-409X

SEND FOR A FREE SAMPLE COPY TODAY

Please send me a sample copy of ADVANCED DRUG DELIVERY REVIEWS

NAME: _____

ADDRESS: _____



ELSEVIER SCIENCE PUBLISHERS

in the U.S.A.: P.O. Box 882, Madison Square Station, New York, NY 10159, U.S.A.

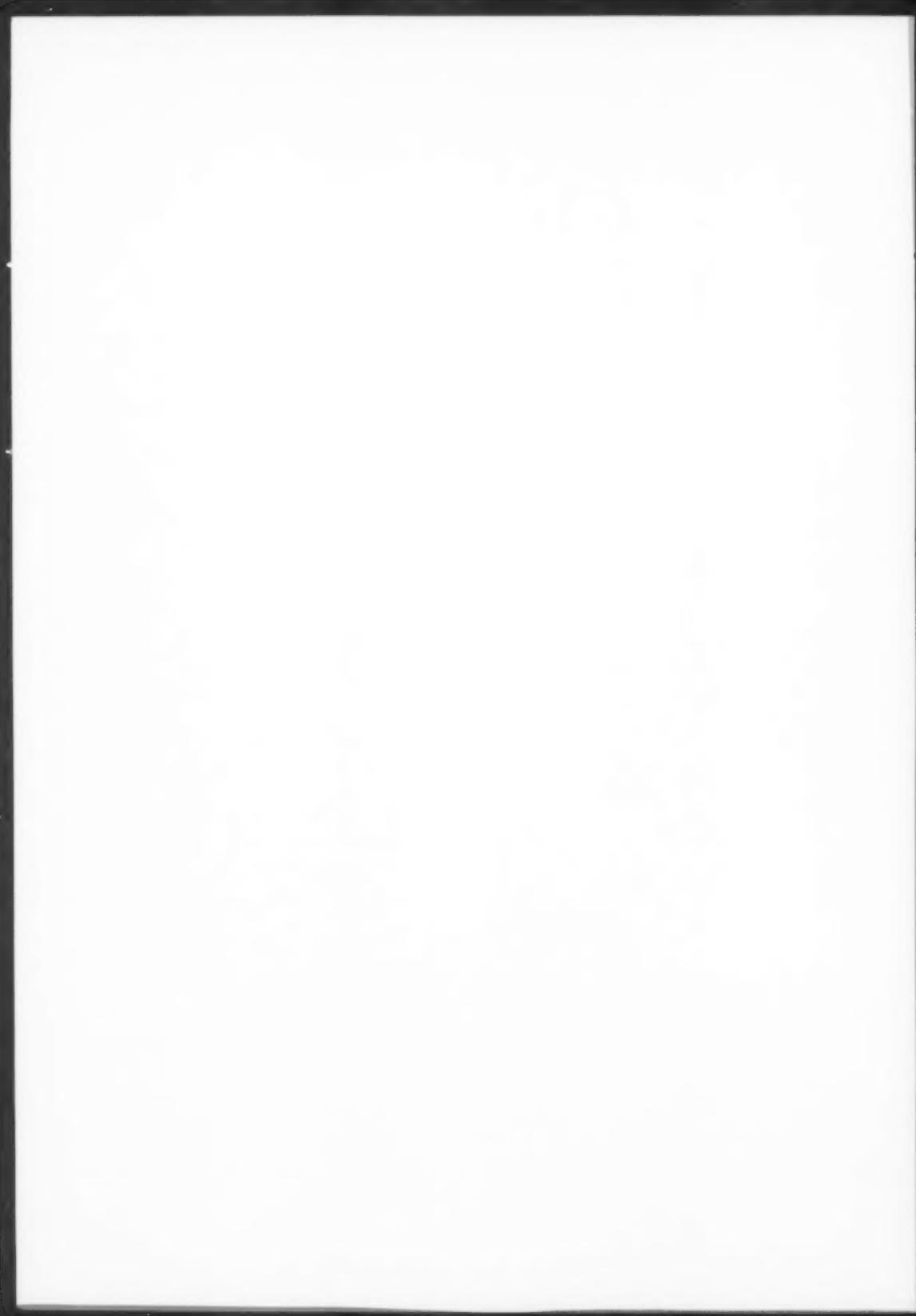
in the rest of the world: P.O. Box 1527, 1000 BM, Amsterdam, The Netherlands

The US \$ price is subject to exchange rate fluctuations

CLINICA CHIMICA ACTA

CUMULATIVE AUTHOR AND SUBJECT INDEX

Vols. 196-204 (1991)



CLINICA CHIMICA ACTA

INTERNATIONAL JOURNAL OF CLINICAL CHEMISTRY AND MEDICAL BIOCHEMISTRY

Sponsored by the following National Societies:

Association of Clinical Biochemists, *Great Britain*

Belgische Vereniging voor Klinische Chemie, Société belge de Chimie clinique, *Belgium*

Nederlandse Vereniging voor Klinische Chemie, *The Netherlands*

Deutsche Gesellschaft für Klinische Chemie, *Germany*

Société française de Biologie clinique, *France*

Société suisse de Chimie clinique, Schweizerische Gesellschaft für Klinische Chemie, *Switzerland*

Società Italiana di Biochimica Clinica, *Italy*

Israel Society for Clinical Biochemistry, *Israel*

Incorporating the Newsletter of the International Society for Clinical Enzymology and the Newsletter of the Joint Commissions for Standardization and Quality Assurance of the European Countries

Editors-in-chief:

M. Werner (Washington, DC) and I.W. Percy-Robb (Glasgow)

CUMULATIVE AUTHOR AND SUBJECT INDEX

Vols. 196–204 (1991)



ELSEVIER SCIENCE PUBLISHERS B.V.
AMSTERDAM – LONDON – NEW YORK – TOKYO

Cumulative author and subject index

Vols. 196-204 © 1992, Elsevier Science Publishers B.V.

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system or transmitted, in any form or by any means, electronic, mechanical photocopying, recording or otherwise, without the prior written permission of the publisher, Elsevier Science Publishers B.V., P.O. Box 521, 1000 AM Amsterdam, The Netherlands.

This journal is printed on acid-free paper.

No responsibility is assumed by the Publisher for any injury and/or damage to persons or property as a matter of products liability, negligence or otherwise, or from any use or operation of any methods, products, instructions or ideas contained in the material herein. Because of the rapid advances in the medical sciences, the Publisher recommends that independent verification of diagnoses and drug dosages should be made.

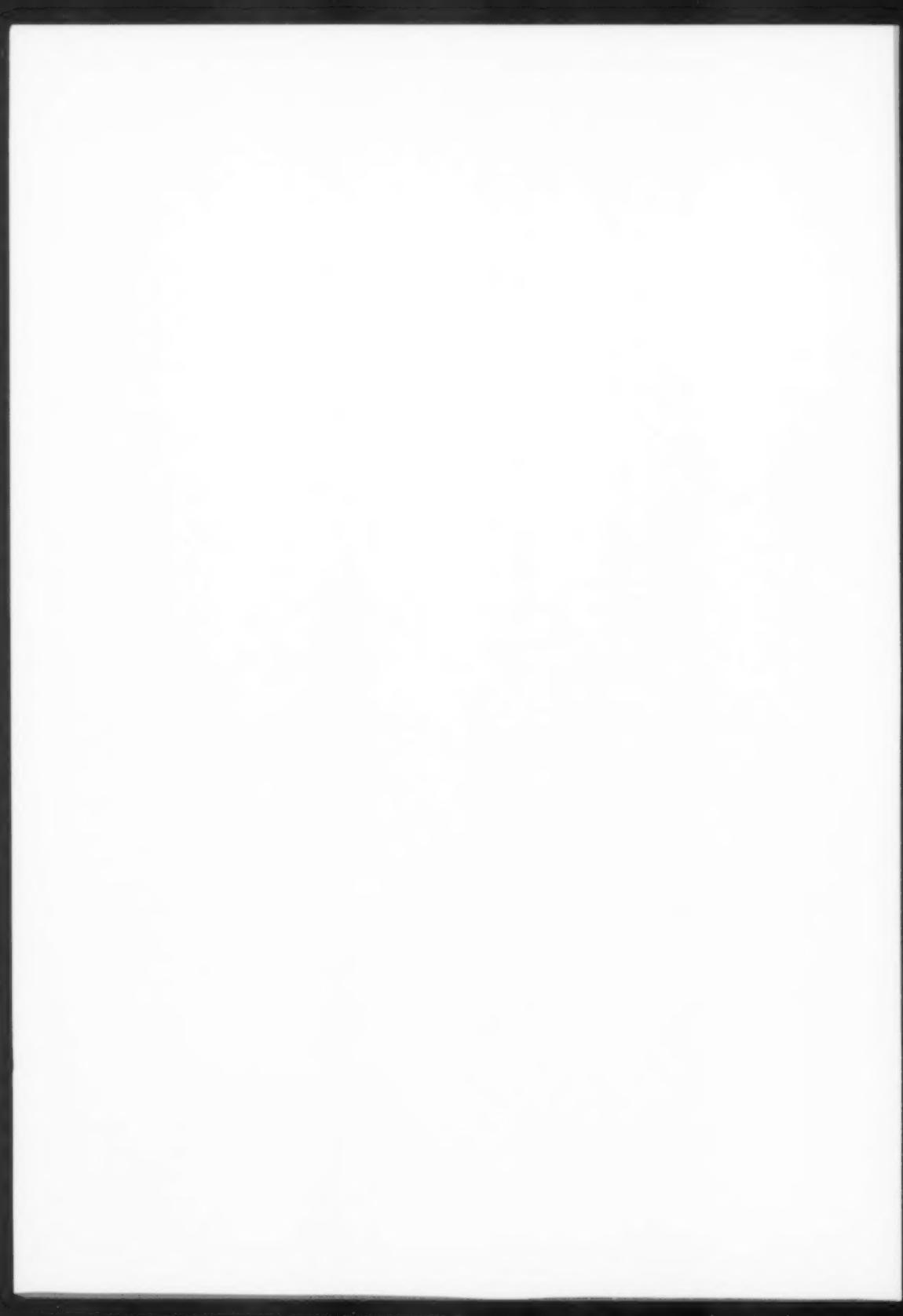
Although all advertising material is expected to conform to ethical (medical) standards, inclusion in this publication does not constitute a guarantee or endorsement of the quality or value of such product or of the claims made of it by its manufacturer.

Special regulations for authors. Upon acceptance of an article by the journal, the author(s) will be asked to transfer copyright of the article to the publisher. This transfer will ensure the widest possible dissemination of information.

Submission of a paper to this journal entails the author's irrevocable and exclusive authorization of the publisher to collect any sums or considerations for copying or reproduction payable by third parties (as mentioned in article 17 paragraph 2 of the Dutch Copyright Act of 1912 and in the Royal Decree of June 20, 1974 (S. 351) pursuant to article 16b of the Dutch Copyright Act of 1912) and/or to act in or out of Court in connection therewith.

Special regulations for readers in the U.S.A. This journal has been registered with the Copyright Clearance Center, Inc. Consent is given for copying of articles for personal or internal use, or for the personal use of specific clients. This consent is given on the condition that the copier pays through the Center the per-copy fee stated in the code on the first page of each article for copying beyond that permitted by Sections 107 or 108 of the U.S. Copyright Law. The appropriate fee should be forwarded with a copy of the first page of the article to the Copyright Clearance Center, Inc., 27 Congress Street, Salem, MA 01970, U.S.A. If no code appears in an article the author has not given broad consent to copy and permission to copy must be obtained directly from the author. All articles published prior to 1980 may be copied for a per-copy fee of US \$2.25, also payable through the Center. This consent does not extend to other kinds of copying such as for general distribution, resale, advertising and promotion purposes, or for creating new collective works. Special written permission must be obtained from the publisher for such copying.

AUTHOR INDEX



A

Abdullah, M., see Haq, A. (200) 67
 Abe, J., Yamaguchi, T., Isshiki, T., Naka, H., Kawada, Y. and Katayama, Y.
 Rapid quantitation of serum myoglobin by latex agglutination turbidimetry (203) 95
 Abraham, R.J., see West-Jordan, J.A. (203) 119
 Achadume, A.C.
 Effects of dimethyl sulfoxide (DMSO) on carbon (CCL_4)-induced hepatotoxicity in mice (200) 57
 Adachi, K., Yasuda, K., Fuwa, Y., Goshima, E., Yamakita, N. and Miura, K.
 Measurement of plasma free steroids by direct radioimmunoassay of ultrafiltrate in association with the monitoring of free components with [^{14}C]glucose (200) 13
 Addae, S.K., see Mohammed, S.M. (203) 285
 Adlercreutz, H., Fotsis, T., Bannwart, C., Wöhälä, K., Brunow, G. and Hase, T.
 Isotope dilution gas chromatographic-mass spectrometric method for the determination of lignans and isoflavonoids in human urine, including identification of genistein (199) 263
 Adlercreutz, H., see Härmäläinen, E. (199) 205
 Adzaku, F.K., see Mohammed, S.M. (203) 285
 Aerts, J.M.F.G., Sa Miranda, M.C., Wanzeller de Lacerda, L., Van Weely, S., Donker-Koopman, W., Brouwer-Kelder, B., Jansen, D.C., Van Leeuwen, M., Schram, A.W., Tsapara, A. and Tager, J.M.
 The identification of type 1 Gaucher disease patients, asymptomatic cases and carriers in The Netherlands using urine samples: an evaluation (203) 349
 Aeschlimann, A., see Fassbender, K. (203) 315
 Agardh, C.-D., see Hultberg, B. (196) 177
 Agardh, E., see Hultberg, B. (196) 177
 Ahrén, B., see Bergenfelz, A. (197) 229
 Al-Abdul Jabbar, F., see Haq, A. (200) 67
 Alastair, , see Howl, J. (200) 221
 Alberti, K.G.M.M., see Snowden, C. (196) 49
 Alfaham, M., see James, D.R. (204) 279
 Alfthan, G., see Välimäki, M. (196) 7
 Allard, D., see Rota, M. (201) 75
 Alonso-Chamarro, J., see Araujo, A.N. (203) 67
 Al-Sedairy, S., see Haq, A. (200) 67
 Amatayakul-Chantler, S., see Nelson, S.R. (200)
 191
 Ando, K., see Togashi, K. (201) 193
 Andresen, B., see Gregersen, N. (203) 23
 Angellotti, M.A., see Rossi, S.S. (200) 63
 Annobil, S.H., see Mohammed, S.M. (203) 285
 Annunziata, P., Blondi, B., Aucone, A.M., Poggi, A. and Moschini, F.
 Serum beta-2-microglobulin levels and cognitive function in chronic dialysis patients (201) 139
 Ansoleaga, J., see Joven, J. (197) 67
 Applegarth, D.A., see Toone, J.R. (203) 105
 Araujo, A.N., Lima, J.L.F.C., Alonso-Chamarro, J., Bartrolí, J. and Poch, M.
 Flow injection system based on the sandwich technique for saving expensive reagents (203) 67
 Aravind Menon, I., Becker, M.A.C. and Haberman, H.F.
 Role of iron in the photosensitization by uroporphyrin (202) 237
 Arenas, J., Bornstein, B., Mayor, J.J., Santos, I., Leiva, O. and Martínez, A.
 Macro creatine kinase type 2 in a patient with prostatic carcinoma (200) 53
 Arif, M.H., see Snowden, C. (196) 49
 Arima, S., see Fujiyama, J. (200) 1
 Arlet, J., see Periquet, B. (203) 57
 Armstrong, V.W., see Carlsson, J. (196) 167
 Armstrong, V.W., see Fieseler, H.-G. (204) 291
 Artner-Dworzak, E., Lindner, H. and Puschendorf, B.
 In vitro stability of human atrial natriuretic peptide (h-ANP) (203) 235
 Asai, K., see Suzuki, T. (202) 111
 Astre, C., see Colette, C. (204) 43
 Atkinson Jr., A.J., see Ruotolo, T.J. (204) 217
 Aubert, I., see Erlich, D. (201) 169
 Aubery, M., see Biou, D. (204) 1
 Aucone, A.M., see Annunziata, P. (201) 139
 Avico, U., see Macchia, T. (199) 59
 Azuma, T., see Tsujino, S. (201) 129

B

Babizhayev, M.A. and Mucha, A.I.
 Modulative effects of cell adhesion peptide (Arg-Gly-Asp-Ser) on the aggregation of stimulated platelets from ophthalmic patients (196) 77

Bader, C., see Hennequin, C. (200) 227

Bailyes, E.M., see Perez, J.H. (197) 171

Baker, J.R., see Johnson, R.N. (198) 229

Balanova, S., see Kornhuber, M.E. (197) 189

Balasubramanian, K.A., see Ramakrishna, B.S. (196) 217

Baldo, B.A., see Cooney, S.J. (200) 161

Ballardie, F.W., see Nelson, S.R. (200) 191

Bando, H., see Zhang, C.-y. (202) 243

Bannwart, C., see Adlercreutz, H. (199) 263

Barash, V., Flhor, D., Morag, B., Boneh, A., Elpeleg, O.N. and Gilon, C.
 A radiometric assay for aspartoacylase activity in human fibroblasts: application for the diagnosis of Canavan's disease (201) 175

Barbaresi, Giuliano, see Montagna, M.P. (204) 123

Barbini, D.A., see Macchia, T. (199) 59

Barns, R.J., Bowling, F.G., Brown, G., Clague, A.E. and Thompson, A.
 Carnitine in dried blood spots: a method suitable for neonatal screening (197) 27

Bartosz, G., Kędziora, J. and Retelewska, W.
 Decreased oxidant-induced proteolysis in erythrocytes with enhanced antioxidative defence enzymes due to Down's syndrome (198) 239

Bartosz, G., see Gaczyńska, M. (198) 267

Bartosz, G., see Retelewska, W. (198) 255

Bartrólí, J., see Araujo, A.N. (203) 67

Báša, J., see Pelikánová, T. (203) 329

Baswaïd, S., see Gharib, B. (199) 159

Bauman, J., see Kemena, A. (200) 95

Baumann, N., see Masson, M. (201) 157

Baumann, P., see Eap, C.B. (203) 379

Bauvy, C., see Biou, D. (204) 1

Bayliss, E.M., see Sherwood, R.A. (203) 275

Beaucourt, J.P., see Masson, M. (201) 157

Becker, M.A.C., see Aravind Menon, I. (202) 237

Becker, P.J., see Kilroe-Smith, T.A. (202) 47

Bedu, O., see Loepert, J. (196) 119

Bellavite, P., see Negri, M. (199) 305

Benmbarek, A., see Colette, C. (204) 43

Benson, B.A., see Vatassery, G.T. (197) 19

Benzerara, O., see Lasne, Y. (197) 85

Berg, B., Fex, G., Tryding, N., Nilsson, J.-E. and Ekman, S.
 Reference intervals for retinol-binding protein in serum and urine (197) 147

Bergenfelz, A., Nordén, N.E. and Ahrén, B.
 Intact parathyroid hormone assay is superior to mid region assay in the EDTA-infusion test in hyperparathyroidism (197) 229

Berger, R., see Niezen-Koning, K.E. (199) 173

Berg Schmidt, E., Klausen, I.C., Kristensen, S.D., Lervang, H.-H., Færgeman, O. and Dyerberg, J.
 The effect of n-3 polyunsaturated fatty acids on Lp(a) (198) 271

Bernabeu, C., see Pérez-Maceda, B. (203) 153

Bernard, A., Lauwers, R., Noel, A., Vandeleene, B. and Lambert, A.
 Determination by latex immunoassay of protein I in normal and pathological urine (201) 231

Berr, F., see Fischer, S. (203) 269

Bertoli, E., see Falconni, G. (196) 153

Beuers, U., see Fischer, S. (203) 269

Beutler, E.
 Effect of temperature on red cell ATP (199) 117

Beutler, J.J., see Boer, P. (199) 195

Beyer, C.
 Lactate dehydrogenase isoenzymes in serum of patients with preeclampsia/eclampsia complicated by the HELLP syndrome (202) 119

Biou, D., Bauvy, C., N'Guyen, H., Codogno, P., Durand, G. and Aubery, M.
 Alterations of the glycan moiety of human 1-acid glycoprotein in late-term pregnancy (204) 1

Birwé, H. and Hesse, A.
 High-performance liquid chromatographic determination of urinary cysteine and cystine (199) 33

Blakemore, A.I.F., see Gregersen, N. (203) 23

Blanca, S., see Gonzalez, R.R. (197) 159

Blondi, B., see Annunziata, P. (201) 139

Boer, P., Vos, P.F., Koomans, H.A., Rabelink,

A.J., Beutler, J.J. and Dorhout Mees, E.J. Response of urinary angiotensin to challenges of the renin-angiotensin system (199) 195

Boink (NL), A.B.T.J., Buckley (GB), B.M., Christiansen (DK), T.F., Covington (GB), A.K., Maas (NL), A.H.J., Müller-Plathe (DE), O., Sachs (FR), C. and Sigaard-Andersen (DK), O.

IFCC Recommendation — Recommendation on sampling, transport and storage for the determination of the concentration of ionized calcium in whole blood, plasma and serum (202) S13

Boisson, C., see Morelis, R.M. (203) 295

Boldizsár, M., see Végh, Z. (203) 259

Bolund, L., see Gregersen, N. (203) 23

Boneh, A., see Barash, V. (201) 175

Boniface, H., see Colette, C. (204) 43

Booth, H., see Donnelly, P.K. (202) 55

Booth, I.W., see Quak, S.H. (204) 145

Bornstein, B., see Arenas, J. (200) 53

Bosman, D.K., see Smits, J.J.H. (197) 95

Bourbouze, R., Raffi, F., Dameron, G., Halima Mirafab, H., Loko, F. and Vilde, J.-L.

N-acetyl- β -D-Glucosaminidase (NAG) isoenzymes release from human monocyte-derived macrophages in response to zymosan and human recombinant interferon- γ (199) 185

Bourrouillou, G., see Brisson-Lougarre, A. (203) 403

Bowling, F.G., see Barns, R.J. (197) 27

Bowyer, R.C., Jehanli, A.M.T., Patel, G. and Hermon-Taylor, J.

Development of enzyme-linked immunosor-

bent assay for free human pro-colipase activation peptide (APGPR) (200) 137

Braganza, J.M., see Pemberton, P.W. (199) 253

Branum, E.L., see Gonchoroff, D.G. (199) 43

Braven, J., see Jones, J.W. (200) 175

Braven, J., see Whittaker, M. (199) 223

Breda, F., see Roiter, I. (201) 143

Bregengaard, C., see Myrup, B. (204) 251

Bremer, H.J., see Hoffmann, G.F. (198) 209

Brettschneider, H., see Gaines-Das, R.E. (203) S3

Bridji, B., see Massoubre, C. (201) 223

Brisson-Lougarre, A., Vergnes, H., Grozdean, J., Bourrouillou, G. and Colombies, P.

Isoelectric focusing of neutrophil alkaline phosphatase in trisomy 21 pregnancies (203) 403

Bristow, A.F., see Gaines-Das, R.E. (203) S3

Brossmer, R., see Gross, H.J. (197) 237

Brouwer, J. and Smekens, F.

Instability of fecal lysozyme (201) 137

Brouwet-Kelder, B., see Aerts, J.M.F.G. (203) 349

Brown, G., see Barns, R.J. (197) 27

Brown, G.A., see Quak, S.H. (204) 145

Bruldt, N., see Rota, M. (201) 75

Brunow, G., see Adlercreutz, H. (199) 263

Brzeski, M., see Reglinski, J. (201) 45

Buchanan, L.M., see Reglinski, J. (201) 45

Buchanan, R., see Mills, G.A. (204) 131

Buckley (GB), B.M., see Boink (NL), A.B.T.J. (202) S13

Bulle, C., see Deviller, P. (201) 105

Burkman, R., see Zacur, H.A. (204) 209

Bussel, A., see Erlich, D. (201) 169

C

Cajolet, A., see Natowicz, M.R. (203) 17
 Calam, J., see Springer, C.J. (198) 245
 Camiña, M.F., see Rodríguez-Segade, S. (203) 135
 Cantafora, A., see Macchia, T. (199) 59
 Capocchi, G., see Datti, A. (200) 73
 Caporiccio, A., see Hayer, M. (203) 343
 Caporiccio, G., see Hayer, M. (203) 343
 Capron, A., see Deviller, P. (201) 105
 Capron, M., see Deviller, P. (201) 105
 Carchon, H.A., Jaeken, J., Jansen, E. and Eggermont, E.
 Reference values for free gamma-aminobutyric acid determined by ion-exchange chromatography and fluorescence detection in the cerebrospinal fluid of children (201) 83
 Carlsson, J., Armstrong, V.W., Reiber, H., Felsenhauer, K. and Seidel, D.
 Clinical relevance of the quantification of apolipoprotein E in cerebrospinal fluid (196) 167
 Carrion, N., see De Benzo, Z.A. (197) 139
 Cascio, V.L., see Cominacini, L. (204) 57
 Casteels, M., see Wanders, R.J.A. (202) 123
 Castellana, M.L., see Montagna, M.P. (204) 123
 Caswell, A.M., see Macfarlane, J.D. (202) 141
 Cattell, W.R., see Silver, A.C. (202) 11
 Cattozzo, G., see Franzini, C. (203) 339
 Ceci, A., see Perlino, E. (200) 153
 Cedel, S.L., see Gonchoroff, D.G. (199) 43
 Cenci, B., see Cominacini, L. (204) 57
 Chalmers, R.A., see Davies, S.E.C. (204) 263
 Chaloner, C., see Pemberton, P.W. (199) 253
 Chambliss, K.L., see Gibson, K.M. (196) 219
 Chamuleau, R.A.F.M., see Smit, J.J.H. (197) 95
 Chang, V., see Zacur, H.A. (204) 209
 Chapman, T.E., see Niezen-Koning, K.E. (199) 173
 Chappatte, O., see Sherwood, R.A. (203) 275
 Chivot, L., see Massoubre, C. (201) 223
 Christensen, N.J., see Sælsen, L. (196) 1
 Christenson, R.H., Ohman, E.M., Vollmer, R.T.,
 Clemmensen, P., Grande, P. and Wagner, G.S.
 Serum release of the creatine kinase tissue-specific isoforms MM3 and MB2 is simultaneous during myocardial reperfusion (200) 23
 Christiansen (DK), T.F., see Boink (NL), A.B.T.J. (202) S13
 Clague, A.E., see Barns, R.J. (197) 27
 Clague, A.E., see Price, J. (202) 39
 Clamp, J.R. and Gough, M.
 The glycoconjugate content of human faeces and ileostomy effluents (203) 243
 Clapham, L., see McLean, R.J.C. (200) 107
 Clement, D.L., see De Scheerder, I.K. (197) 115
 Clemmensen, P., see Christenson, R.H. (200) 23
 Codogno, P., see Biou, D. (204) 1
 Colette, C., Benmbarek, A., Boniface, H., Astre, C., Pares-Herbute, Nuria, Monnier, L. and Guitter, J.
 Determination of protein-bound urinary gamma-carboxyglutamic acid in calcium nephrolithiasis (204) 43
 Colombies, P., see Brisson-Lougarre, A. (203) 403
 Comi, L.I., see Nigro, G. (202) 89
 Cominacini, L., Garbin, U., Cenci, B., Davoli, A., Pasini, C., Ratti, E., Gaviraghi, G., Cascio, V.L. and Pastorino, A.M.
 Predisposition to LDL oxidation during copper-catalyzed oxidative modification and its relation to -tocopherol content in humans (204) 57
 Conte, N., see Roiter, I. (201) 143
 Cooney, S.J., Smal, M.A. and Baldo, B.A.
 Stability of platelet activating factor (PAF) in human saliva. Quantitation by radioimmunoassay (200) 161
 Cooper, A.E., see Cooper, C.M. (202) 73
 Cooper, C.M., Foster, G.R., Cooper, A.E., Kenny, M. and Olivera, D.B.
 Serum F-protein concentration following halothane or isoflurane anaesthesia (202) 73
 Cooper, M.J. and Engel, R.R.
 Carbon monoxide production from L-3,4-dihydroxyphenylalanine; a method for assessing the oxidant/antioxidant properties of drugs (202) 105
 Cordier, J.-F., see Deviller, P. (201) 105
 Cornejo, V., see Lin, Y.Y. (201) 145

Corrigan, F.M., Skinner, E.R., MacIntyre, F., Ijomah, G., Holliday, J., Horrobin, D.F. and Ward, N.I.
Plasma bromine concentrations and lipid profiles (204) 301

Coulet, P.R., see Morelis, R.M. (203) 295

Covington (GB), A.K., see Boink (NL), A.B.T.J. (202) S13

Cremona, G., see Montagna, M.P. (204) 123

Curtis, D., see Gregersen, N. (203) 23

Curtius, H.-C., see Müller, M.M. (201) 1

D

Da Rin, G., see Roiter, I. (201) 143
 Daffos, F., see Seta, N. (203) 167
 D'Ambrosio, S.M., Gibson-D'Ambrosio, R.E. and Trewyn, R.W.
 An enzyme-linked immunosorbent assay (ELISA) for the detection and quantitation of the tumor marker l-methylinosine in human urine (199) 119
 Dameron, G., see Bourbouze, R. (199) 185
 Dan, M., see Shigematsu, Y. (203) 369
 Datta, K.S., see Sajjan, A.R. (197) 131
 Datta, K.S., see Sajjan, A.R. (203) 409
 Datti, A., Emiliani, C., Capocchi, G. and Orlacchio, A.
 β -N-Acetylhexosaminidases in human cerebrospinal fluid and serum of patients with multiple sclerosis (200) 73
 Dauberschmidt, R., Mrochen, H., Förster, I., Stumpe, C., Dressler, C., Grajetzki, H. and Meyer, M.
 Changes in ceruloplasmin activity and lactate concentration in patients at high risk of acute organ system failure (199) 167
 Daudon, M., see Hennequin, C. (200) 227
 Davidsson, F., Fredman, P., Måansson, J.-E. and Svennerholm, L.
 Determination of gangliosides and sulfatide in human cerebrospinal fluid with a microimmunoaffinity technique (197) 103
 Davies, S.E.C., Iles, R.A., Stacey, T.E., De Sousa, C. and Chalmers, R.A.
 Carnitine therapy and metabolism in the disorders of propionyl-CoA metabolism studied using ^1H -NMR spectroscopy (204) 263
 Davis, E., see Sakamoto, Ya. (204) 179
 Davoli, A., see Cominacini, L. (204) 57
 Dawnay, A.B.S.J., see Silver, A.C. (202) 11
 De Sousa, C., see Davies, S.E.C. (204) 263
 De Benzo, Z.A., Fraile, R., Gomez, C. and Carrion, N.
 Determination of serum iron by aas: deproteinization versus direct analysis (197) 139
 De Bornier, B.M., see Hayter, M. (203) 343
 De Buyzere, M.L., see De Scheerder, I.K. (197) 115
 De Haan, J.G., see Smit, J.J.H. (197) 95
 Delanghe, J.R., see De Scheerder, I.K. (197) 115
 De Leenheer, A.P., see Periquet, B. (203) 57
 Del Río, R., see Rodriguez-Segade, S. (203) 135
 De Meester, I., see Hendriks, D. (196) 87
 Dench, J., see Langton, S.R. (203) 249
 Den Tandt, W.R. and Scharpe, S.
 Characteristics of hexosaminidase A in homogenates of white blood cells using methylumbelliferyl-N-acetyl- β -D-glucosaminide-6-sulphate as substrate (199) 231
 De Reggi, M., see Gharib, B. (199) 159
 De Scheerder, I.K., Delanghe, J.R., De Buyzere, M.L., Hollanders, G., Clement, D.L. and Leroux-Roels, G.G.
 Low serum creatine kinase in patients with infective endocarditis (197) 115
 De Terlizzi, M., see Perlino, E. (200) 153
 Devery, J.M., see Penttila, I.A. (204) 95
 Devery, J.M., see Skerritt, J.H. (204) 109
 Deviller, P., Gruart, V., Prin, L., Tardy, F., Bulle, C., Capron, M., Capron, A. and Cordier, J.-F.
 Detection of an eosinophil derived neurotoxin in the urine of a patient with idiopathic chronic eosinophilic pneumonia (201) 105
 De Wolff, F.A., see Slikkerveer, A. (201) 17
 Di Virgilio, R., see Roiter, I. (201) 143
 Diklić, A., see Niketić, V. (197) 47
 Dinistrian, A.M., Schwartz, M.K., Greenberg, E.J., Smith, C.A. and Schwartz, D.C.
 CA 15-3 and carcinoembryonic antigen in the clinical evaluation of breast cancer (200) 81
 Domar, U., Hirano, K. and Stigbrand, T.
 Serum levels of human alkaline phosphatase isozymes in relation to blood groups (203) 305
 Dominiczak, M.H., see MacRury, S.M. (199) 51
 Donker-Koopman, W., see Aerts, J.M.F.G. (203) 349
 Donnelly, P.K., Booth, H., White, M. and Shenton, B.K.
 α_2 -Macroglobulin and generation of oxygen radicals by granulocytes: potential role in prevention and treatment of reperfusion injury (202) 55
 Doolman, R., see Sela, B.-A. (203) 91
 Dordal, M.S., see Ruø, T.I. (204) 217
 Dorhout Mees, E.J., see Boer, P. (199) 195

Dormandy, T., see Haines, A. (198) 261

Doss, M.O., see Sieg, I. (202) 211

Downey, J., see McLean, R.J.C. (200) 107

Drachmann (DK), O., see Uldall (DK), A. (202) 823

Dressler, C., see Dauberschmidt, R. (199) 167

Dreux, C., see Erlich, D. (201) 169

Drücke, T., see Hennequin, C. (200) 227

Dudman, N.P.B., see Wang, J. (204) 239 Duran, M., see Ketting, D. (204) 79

Duncan, A., Robertson, C. and Russell, R.I.
Usefulness of faecal water potassium/
sodium ratios in the investigations of diar-
rhoea (200) 223

Durand, G., see Biou, D. (204) 1

Durand, G., see Seta, N. (203) 167

Dyerberg, J., see Berg Schmidt, E. (198) 271

E

Eap, C.B., Fischer, J.-F. and Baumann, P.
Variations in relative concentrations of variants of human α_1 -acid glycoprotein after acute-phase conditions (203) 379

Easdale, R.W., see Johnson, R.N. (198) 229

Eberlein, G.A., see Springer, C.J. (198) 245

Eckfeldt, J.H., see Vatassery, G.T. (197) 19

Edelbroek, P.M., see Slikkerveer, A. (201) 17

Edwards, R.H.T., see Jackson, M.J. (197) 1

Edwards, R.H.T., see West-Jordan, J.A. (203)
119

Eggermont, E., see Carchon, H.A. (201) 83

Ekman, S., see Berg, B. (197) 147

Ellin, Å., Van den Berg, S. and Strandvik, B.
A simplified analysis of fatty acids in serum phospholipids using Sep-Pak cartridges (200)
59

Elpeleg, O.N., see Barash, V. (201) 175

Emi, S., see Teshima, S. (199) 23

Emiliani, C., see Datti, A. (200) 73

Engel, P.C., see Gregersen, N. (203) 23

Engel, R.R., see Cooper, M.J. (202) 105

Enwonwu, C.O. and Lu, M.
Elevated plasma histamine in sickle cell anaemia (203) 363

Erlich, D., Aubert, I., Neel, D., Scrobohaci,
M.L., Loreau, J., Bussel, A., Rouffy, J.,
Dreux, C., Goussault, Y. and Weintraub, H.
Some aspects of the use of dextran sulfate-cellulose columns for the treatment of familial hypercholesterolemia (201) 169

Eysselein, V.E., see Springer, C.J. (198) 245

F

Falcioni, G., Grelloni, F., Bertoli, E., Felici, L. and Valentino Coppa, G.
 Influence of splenectomy on the properties of erythrocytes with Hemoglobin Volga disease (196) 153

Famaey, J.-P., see Peretz, A. (203) 35

Fassbender, K., Zimmerli, W., Kissling, R., Sobieska, M., Aeschlimann, A., Kellner, M. and Müller, W.
 Glycosylation of α_1 -acid glycoprotein in relation to duration of disease in acute and chronic infection and inflammation (203) 315

Fazekas, T., see László, A. (203) 413

Feger, J., see Seta, N. (203) 167

Feldmann, B., see Kohlschütter, A. (198) 203

Felgenhauer, K., see Carlsson, J. (196) 167

Felici, L., see Falcioni, G. (196) 153

Fernandez, M., see Kemena, A. (200) 95

Fevery, J., see Kotal, P. (202) 1

Fex, G., see Berg, B. (197) 147

Fieseler, H.-G., Armstrong, V.W., Wieland, E., Thiery, J., Schutz, E., Walli, A.K. and Seidel, D.
 Serum Lp(a) concentrations are unaffected by treatment with the HMG-CoA reductase inhibitor Pravastatin: results of a 2-year investigation (204) 291

Fischer, J.-F., see Eap, C.B. (203) 379

Fischer, S., Beuers, U., Berr, F. and Paumgartner, G.
 Deoxycholic acid is not reconverted to cholic acid in humans – a study by isotope ratio mass spectrometry (203) 269

Flendrig, J.G., see Peltenburg, H.G. (203) 395

Flhor, D., see Barash, V. (201) 175

Floderus, Y., see Lilius, L. (197) 77

Florin, T.H.J.
 Hydrogen sulphide and total acid-volatile sulphide in faeces, determined with a direct spectrophotometric method (196) 127

Florkowski, C., see Kendall, M.J. (204) 51

Fluharty, A.L., see Masson, M. (201) 157

Flynn, F.V., Lapsley, M., Sansom, P.A. and Norden, A.G.W.
 Absence of increased urinary excretion of adenosine-deaminase-binding protein by patients with chronic renal tubular malfunction (200) 183

Foglietti, M.-J., see Kawerk, N. (202) 65

Forbes, J., Steytler, J.G. and Van Heerden, R.
 Agarose gel electrophoresis of glucose-6-phosphate-dehydrogenase isoenzymes (199) 279

Forestier, F., see Seta, N. (203) 167

Förster, I., see Dauberschmidt, R. (199) 167

Foscolo, G., see Roiter, I. (201) 143

Foster, G.R., see Cooper, C.M. (202) 73

Fotsis, T., see Adlercreutz, H. (199) 263

Fotsis, T., see Hämäläinen, E. (199) 205

Fraile, R., see De Benzo, Z.A. (197) 139

Francina, A., see Lasne, Y. (197) 85

Francois, B., see Gibson, K.M. (196) 219

Franzini, C. and Cattozzo, G.
 Azopigments from serum biliprotein and accuracy of total bilirubin measurement (203) 339

Fredman, P., see Davidsson, P. (197) 103

Færgeman, O., see Berg Schmidt, E. (198) 271

Fuentes-Arderiu, X.
 Level is not a synonym of concentration (203) 417

Fuentes-Arderiu, X.
 Nomenclature of hormones used as drugs for biochemical function tests (201) 135

Fuentes-Arderiu, X.
 Nomenclature standardization on an international basis (198) 279

Fügedi, A., see Soltés, L. (201) 35

Fujioka, M., see Shigematsu, Y. (203) 369

Fujiwara, F., see Nakanishi, T. (197) 249

Fujiyama, J., Kuriyama, M., Arima, S., Shibata, Y., Nagata, K., Takenaga, S., Tanaka, H. and Osame, M.
 Atherogenic risk factors in cerebrotendinous xanthomatosis (200) 1

Fukuda, K., see Kawata, S. (197) 201

Fülöp Jr., T., see Saulnier, J.M. (200) 129

Funahashi, S., see Nakanishi, T. (197) 249

Fuwa, Y., see Adachi, K. (200) 13

G

Gaczyńska, M., Bartosz, G. and Judkiewicz, L.
Changes in proteolytic susceptibility of erythrocyte membrane proteins in hereditary spherocytosis (198) 267

Gaczyńska, M., see Retelewska, W. (198) 255

Gaffney, D., see Mendis, S. (196) 107

Gagjee, P., see Pemberton, P.W. (199) 253

Gaillard, M.C., see Kilroe-Smith, T.A. (202) 47

Gaines-Das, R.E., Brettschneider, H. and Bris-tow, A.F.
The effects of common matrices for assay standards on performance of 'ultra sensitive' immunometric assays for TSH report of a joint WHO/IFCC collaborative study (203) S3

Galliazzo, S., see Roiter, I. (201) 143

Garbin, U., see Cominacini, L. (204) 57

Garcia, J., see Periquet, B. (203) 57

Gasnier, F., Lerme, F., Rousson, R., Roussouly, P., Vaganay, E., Louisot, P. and Gateau-Roesch, O.
Investigation of glycosylation processes in mitochondria and microsomal membranes from human skeletal muscle (199) 69

Gateau-Roesch, O., see Gasnier, F. (199) 69

Gaubil, J., see Hennequin, C. (200) 227

Gaviragh, G., see Cominacini, L. (204) 57

Gerok, W., see Weiler, H. (199) 283

Gesztesi, K.A., see Végh, Z. (203) 259

Gevers Leuven, J.A., see Zhao, S.P. (203) 109

Gharib, B., Baswaïd, S., Quilici, M. and De Reggi, M.
Ecdysteroid-like compounds in human urine: they can occur in the absence of any parasitic infection (199) 159

Gibson, A., see Mantle, D. (197) 35

Gibson, C.E., see Penttilä, I.A. (204) 95

Gibson, K.M., Lee, C.F., Chambliss, K.L., Kamali, V., Francois, B., Jacken, J. and Jakobs, C.
4-Hydroxybutyric aciduria: application of a fluorometric assay to the determination of succinic semialdehyde dehydrogenase activity in extracts of cultured human lymphoblasts (196) 219

Gibson, K.M., see Hoffmann, G.F. (198) 209

Gibson-D'Ambrosio, R.E., see D'Ambrosio, S.M. (199) 119

Gilat, T., see Peled, Y. (202) 83

Gilon, C., see Barash, V. (201) 175

Glew, R.H., see Saha, A.K. (199) 311

Glueck, C.J., Lang, J., Tracy, T. and Speirs, J.
The common finding of covert hypothyroidism at initial clinical evaluation for hyperlipoproteinemia (201) 113

Glueck, C.J., McCray, C. and Speirs, J.
Measurement of serum Apo A1 and Apo B: comparison of immunoturbidimetric and rate nephelometric techniques (197) 121

Glueck, J.S., see Mace, R. (204) 189

Goebell, H., see Springer, C.J. (198) 245

Gomez, C., see De Benzo, Z.A. (197) 139

Gonchoroff, D.G., Branum, E.L., Cedel, S.L., Riggs, B.L. and O'Brien, J.F.
Clinical evaluation of high-performance affinity chromatography for the separation of bone and liver alkaline phosphatase isoenzymes (199) 43

Gonzalez, R.R., Robaina, R., Rodriguez, M.E. and Blanca, S.
An enzyme immunoassay for determining total thyroxine in human serum using an ultramicroanalytical system (197) 159

Goodchild, M.C., see James, D.R. (204) 279

Goshima, E., see Adachi, K. (200) 13

Góth, L.
A simple method for determination of serum catalase activity and revision of reference range (196) 143

Goto, S., see Mizutani, S. (201) 151

Goto, Y., see Noma, A. (199) 147

Gottschalk, E.M., Hippe, H. and Patzke, F.
Creatinine deiminase (EC 3.5.4.21) from bacterium BN11: purification, properties and applicability in a serum/urine creatinine assay (204) 223

Gough, M., see Clamp, J.R. (203) 243

Goussault, Y., see Erlich, D. (201) 169

Gower, P.E., see Nelson, S.R. (200) 191

Goy, J., see Loepert, J. (196) 119

Grajetzki, H., see Dauberschmidt, R. (199) 167

Grande, P., see Christenson, R.H. (200) 23

Greenberg, E.J., see Dnistrian, A.M. (200) 81

Greffard, A., see Lambré, C.R. (198) 183

Gregersen, N., Blakemore, A.I.F., Winter, V., Andresen, B., Kølvraa, S., Bolund, L., Cur-

tis, D. and Engel, P.C.
Specific diagnosis of medium-chain acyl-CoA dehydrogenase (MCAD) deficiency in dried blood spots by a polymerase chain reaction (PCR) assay detecting a point-mutation (G985) in the MCAD gene (203) 23

Grelloni, F., see Falconi, G. (196) 153

Gross, H.J. and Brossmer, R.
Characterization of human plasma sialyltransferase using a novel fluorometric assay (197) 237

Grozdea, J., see Brisson-Lougarre, A. (203) 403

Gruart, V., see Deviller, P. (201) 105

Gugliucci, A. and Stahl, A.J.C.
In vitro glycation of human apolipoprotein A@@BII@XS reduces its efficiency in lecithin:cholesterol acyltransferase activation (204) 37

Guibaud, G., see Morelis, R.M. (203) 295

Gutter, J., see Colette, C. (204) 43

Guzzo, P., see Negri, M. (199) 305

Gyurkovits, K., see Novák, Z. (201) 247

H

Haberman, H.F., see Aravind Menon, I. (202) 237

Hafner, C.A., see Kendall, M.J. (204) 51

Haines, A., Iliffe, S., Morgan, P., Dormandy, T. and Wood, B.
Serum aluminium and zinc and other variables in patients with and without cognitive impairment in the community (198) 261

Hakoda, M., see Kawaguchi, R. (203) 183

Hali-Miraftab, H., see Bourbouze, R. (199) 185

Hämäläinen, E., Fotsis, T. and Adlercreutz, H.
A gas chromatographic method for the determination of neutral steroid profiles in urine, including studies on the effect of oxytetracycline administration on these profiles in men (199) 205

Hamilton, C., see Haq, A. (200) 67

Haq, A., Sheth, K., Abdullatif, M., Al-Abdul Jabbar, F., Hamilton, C. and Al-Sedairy, S.
Suppression/stimulation of chemiluminescence by human seminal plasma (200) 67

Hara, H., see Ohta, M. (201) 201

Hart, P.S., Hymes, J. and Wolf, B.
Isoforms of human serum biotinidase (197) 257

Hase, T., see Adlercreutz, H. (199) 263

Hata, Y., see Noma, A. (199) 147

Hauck, M., see Saulnier, J.M. (200) 129

Hayashi, A., see Nakanishi, T. (197) 249

Hayashi, K., see Ohta, M. (201) 201

Hayashi, Y., see Teshima, S. (199) 23

Hayer, M., Caporiccio, A., Pages, A., Caporiccio, G., Toueri, M.F. and De Bornier, B.M.
Lysosomal enzymes and severity of saphen varicosis (203) 343

Heikkonen, E., see Roine, R. (204) 13

Heiligensetzer, G.V., see Kornhuber, M.E. (197) 189

Heinonen, T., see Roine, R. (204) 13

Helmich, R.B., see Slikkerveer, A. (201) 17

Hendriks, D., De Meester, I., Umiel, T., Vanhoof, G., Van Sande, M., Scherpé, S. and Yaron, A.
Aminopeptidase P and dipeptidyl peptidase IV activity in human leukocytes and in stimulated lymphocytes (196) 87

Hennequin, C., Gaubil, J., Bader, C., Daudon, M., Drücke, T. and Lacour, B.
Impossibility to study crystalluria directly with Coulter Counter (200) 227

Henriksson, A., see Lilius, L. (197) 77

Hermens, W.T., see Peltenburg, H.G. (203) 395

Hermon-Taylor, J., see Bowyer, R.C. (200) 137

Herold, M., see Müller, M.M. (201) 1

Heseltine, D., Thomas, T.H., Wilkinson, R., James, O.F.W. and Potter, J.F.
Erythrocyte sodium, potassium and sodium fluxes with cell and subject ageing (196) 41

Hesse, A., see Birwé, H. (199) 33

Higa, S., see Tsujino, S. (201) 129

Higashimoto, H., see Kawaguchi, R. (203) 183

Hikiji, K., see Kawaguchi, R. (203) 183

Hill, M.A.W., see Mills, G.A. (204) 131

Himuna, K., see Smith, C.H. (201) 89

Hinchigeri, S.B., see Sajan, A.R. (197) 131

Hinchigeri, S.B., see Sajan, A.R. (203) 409

Hino, F., see Katayama, M. (202) 179

Hippe, H., see Gottschalk, E.M. (204) 223

Hirano, K., see Domar, U. (203) 305

Hiraoka, T., see Kosaka, D. (199) 83

Hobrecht, R., see Roggentin, P. (196) 97

Hodson, A.W., see McGann, A.M. (197) 265

Hoffmann, G.F. and Sweetman, L.
O-(2,3,4,5,6-Pentafluorobenzyl)oxime-trimethylsilyl ester derivatives for sensitive identification and quantitation of aldehydes, ketones, and oxoacids in biological fluids (199) 237

Hoffmann, G.F., Sweetman, L., Bremer, H.J., Hunneman, D.H., Hyánek, J., Kožich, V., Lehnert, W., Nyhan, W.L., Speidel, I., Trefz, F.K. and Gibson, K.M.
Facts and artefacts in mevalonic aciduria: development of a stable isotope dilution GC/MS assay for mevalonic acid and its application to physiological fluids, tissue samples, prenatal diagnosis and carrier detection (198) 209

Hofmann, A.F., see Rossi, S.S. (200) 63

Hokari, S., see Takizawa, A. (203) 97

Hollaar, L., see Zhao, S.P. (203) 109

Hollanders, G., see De Scheerder, I.K. (197) 115

Holliday, J., see Corrigan, F.M. (204) 301
Holman, R.T., see Kang, E.S. (204) 167
Hommes, F.A. and Varghese, M.
High-performance liquid chromatography of urinary oligosaccharides in the diagnosis of glycoprotein degradation disorders (203) 211
Horikoshi, S. and Koide, H.
Serum laminin P1 fragment concentration in renal diseases (196) 185
Horrobin, D.F., see Corrigan, F.M. (204) 301
Horváth, A., see Jobst, K. (200) 231
Hoshita, T., see Kosaka, D. (199) 83
Houlston, R.S., see Snowden, C. (196) 49
Howl, J., Alastair, , Strain, J. and Wheatley, M.
Human liver vasopressin receptors (200) 221
Huber, C.H., see Müller, M.M. (201) 1
Hughes, B., see Kendall, M.J. (204) 51
Hughes, R.D., see Langley, P.G. (200) 211
Hultberg, B., Isaksson, A., Agardh, E. and Agardh, C.-D.
The association between plasma β -hexosaminidase and its isoenzyme patterns and retinopathy in Type 1 diabetes mellitus (196) 177
Hummel, W., see Wendel, U. (201) 95
Humphries, S.E., see Snowden, C. (196) 49
Hunneman, D.H., see Hoffmann, G.F. (198) 209
Hyánek, J., see Hoffmann, G.F. (198) 209
Hyánek, J., see Wanders, R.J.A. (202) 123
Hymes, J., see Hart, P.S. (197) 257

I

Igaki, N., Yamada, H., Oimomi, M. and Kasuga, M.
The effective inhibition of the Maillard reaction by guanabenz acetate, and its relevance to the prevention of diabetic complications (199) 113

Ijomah, G., see Corrigan, F.M. (204) 301

Iles, R.A., see Davies, S.E.C. (204) 263

Iliffe, S., see Haines, A. (198) 261

Imai, Y., Kawata, S. and Tarui, S.
Elevated serum bile acids in hepatic vein occlusion and idiopathic portal hypertension (199) 109

Imai, Y., see Kawata, S. (197) 201

Imaizumi, T.-a., see Satoh, K. (202) 95

Imaizumi, T.-a., see Yoshida, H. (199) 99

Inada, M., see Kawata, S. (197) 201

Inayama, S., see Kawamura, M. (203) 225

Ino, K., see Mizutani, S. (201) 151

Inoue, Y., see Kawai, H. (202) 219

Inoue, Y., see Lin, Y.Y. (201) 145

Inui, Y., see Kawata, S. (197) 201

Isaksson, A., see Hultberg, B. (196) 177

Ishihara, T., see Kawamura, M. (203) 225

Ishimaru, K., see Teshima, S. (199) 23

Ishiiura, S., see Okuyama, T. (196) 207

Ishiki, T., see Abe, J. (203) 95

Ito, M., see Kuroda, Y. (199) 17

Itoh, M., see Ohta, M. (201) 201

Itoh, N., see Ohta, M. (201) 201

Itoh, Y. and Kawai, T.
Diurnal and postural variation in serum α_1 -microglobulin in normal individuals (201) 123

J

Jackson, M.C., Kucera, C.M. and Lenney, J.F.
Purification and properties of human serum carnosinase (196) 193

Jackson, M.J., Page, S. and Edwards, R.H.T.
The nature of the proteins lost from isolated rat skeletal muscle during experimental damage (197) 1

Jackson, M.J., see West-Jordan, J.A. (203) 119

Jaeken, J., see Carchon, H.A. (201) 83

Jaeken, J., see Gibson, K.M. (196) 219

Jakobs, C., see Gibson, K.M. (196) 219

James, D.R., Alfaham, M. and Goodchild, M.C.
Increased susceptibility to peroxide-induced haemolysis with normal vitamin E concentrations in cystic fibrosis (204) 279

James, O.F.W., see Heseltine, D. (196) 41

Janis, L.S., see Sharma, A. (199) 129

Jansen, D.C., see Aerts, J.M.F.G. (203) 349

Jansen, E., see Carchon, H.A. (201) 83

Jansen, H.M., see Van de Graaf, E.A. (196) 27

Janssen, M.A., see Peltenburg, H.G. (203) 395

Jeghers, O., see Peretz, A. (203) 35

Jehanli, A.M.T., see Bowyer, R.C. (200) 137

Jeng, S., see Weinreb, R.N. (199) 1

Jobst, K., Lakatos, A. and Horváth, A.
Glycohists in diabetic human liver (200)
231

Johnson, R.N., Easdale, R.W., Tatnell, M. and
Baker, J.R.
Significance of variation in turnover of glycated albumin on indices of diabetic control
(198) 229

Johnson, S.B., see Kang, E.S. (204) 167

Jones, J.W., see Whittaker, M. (199) 223

Jones, J.W., Whittaker, M. and Braven, J.
Immunological assay of erythrocyte acetyl-cholinesterase (200) 175

Jorke, D., see Müller, A. (197) 59

Jörning, G.G.A., see Smit, J.J.H. (197) 95

Joven, J., Vilella, E., Masana, L. and Ansoreaga,
J.
Low density lipoprotein receptor levels and
the response to dietary and pharmacological
intervention in polygenic hypercholesterolemia (197) 67

Jørgensen (DK), F., see Uldall (DK), A. (202)
S23

Judkiewicz, L., see Gaczyńska, M. (198) 267

Judkiewicz, L., see Retelewska, W. (198) 255

Jung, K. and Priem, F.
A practical new assay for determining N-acetyl- β -D-glucosaminidase activity in urine
(203) 405

K

Kadoumni, O.F., see Mohammed, S.M. (203) 285

Kaijyama, G., see Kosaka, D. (199) 83

Kakimoto, H., see Kawata, S. (197) 201

Kamali, V., see Gibson, K.M. (196) 219

Kamata, S., see Yonekura, T. (199) 91

Kamatani, N., see Kawaguchi, R. (203) 183

Kamatani, N., see Sakuma, R. (203) 143

Kambara, T., see Shibuya, Y. (200) 119

Kameya, T., see Togashi, K. (201) 193

Kanaoka, H., see Shigematsu, Y. (203) 369

Kanayama, Y., see Nakao, H. (197) 221

Kandels, H., see Sieg, I. (202) 211

Kanemitsu, F. and Okigaki, T.
An immunologic pathway for intravascular catabolism of creatine kinase subform MM3 (197) 9

Kang, E.S., Johnson, S.B. and Holman, R.T.
Fatty acid composition of hepatic triglycerides in Reye's syndrome: implications for hepatic desaturase abnormalities (204) 167

Käpyaho, K.I., see Tuuminen, T. (202) 167

Kasuga, M., see Igaki, N. (199) 113

Kasugai, M., see Mizutani, S. (201) 151

Katayama, M., Kurome, T., Yamamoto, K., Uchida, H., Hino, F. and Kato, I.
Sandwich enzyme immunoassay for serum integrins using monoclonal antibodies (202) 179

Katayama, Y., see Abe, J. (203) 95

Kato, I., see Katayama, M. (202) 179

Kato, K., see Zhu, Y. (201) 183

Kato, R., see Kawamura, M. (203) 225

Kato, T., see Suzuki, T. (202) 111

Kawada, Y., see Abe, J. (203) 95

Kawaguchi, R., Higashimoto, H., Hikiji, K., Hakoda, M. and Kamatani, N.
Detection of the most common mutation of adenine phosphoribosyltransferase deficiency among Japanese by a non-radioactive method (203) 183

Kawai, H., Yomoda, S. and Inoue, Y.
ELISA using monoclonal antibody to human serum arylesterase (202) 219

Kawai, T., see Itoh, Y. (201) 123

Kawai, T., see Tamura, H. (200) 35

Kawakami, I., see Kuroda, Y. (199) 17

Kawakami, M., see Togashi, K. (201) 193

Kawamura, M., Kato, R., Kikuchi, K., Kobayashi, K., Ishihara, T., Shibata, T. and Inayama, S.
Assay for type III collagenolytic activity in lung cancer tissue (203) 225

Kawamura, Y., see Satoh, K. (202) 95

Kawamura, Y., see Yoshida, H. (199) 99

Kawata, S., Imai, Y., Inada, M., Inui, Y., Kakimoto, H., Fukuda, K., Maeda, Y. and Tarui, S.
Modulation of cholesterol 7 α -hydroxylase activity by nonspecific lipid transfer protein in human liver - possibly altered regulation of its cytosolic level in patients with gallstones (197) 201

Kawata, S., see Imai, Y. (199) 109

Kawata, S., see Yonekura, T. (199) 91

Kawauchi, K., see Yoshida, H. (199) 99

Kawerk, N., Succari-Aderschlag, M. and Foglietti, M.-J.
Microheterogeneity of α 1-acid glycoprotein in healthy elderly subjects: patterns obtained by crossed affino-immunolectrophoresis (202) 65

Kazdová, L., see Pelikánová, T. (203) 329

Keating, M., see Kemena, A. (200) 95

Kędziora, J., see Bartosz, G. (198) 239

Kehayov, I.R., see Simeonova, P.P. (201) 207

Kellner, M., see Fassbender, K. (203) 315

Kemena, A., Fernandez, M., Bauman, J., Keating, M. and Plunkett, W.
A sensitive fluorescence assay for quantitation of fludarabine and metabolites in biological fluids (200) 95

Kendall, M.J., Hafner, C.A., Hughes, B. and Florkowski, C.
The adrenergic control of lipolysis: development of tolerance to beta-2 receptor stimulation with terbutaline (204) 51

Kennedy (UK), D., see Uldall (DK), A. (202) S23

Kenny, M., see Cooper, C.M. (202) 73

Kerr, R.A., see Price, J. (202) 39

Ketting, D., Wadman, S.K., Spaapen, L.J.M., Van Der Meer, S.B. and Duran, M.
Gas chromatography method for the separa-

tion of amino acids enantiomers in plasma and urine. Application in a case of short bowel syndrome (204) 79

Kihira, K., see Kosaka, D. (199) 83

Kikawa, Y., see Shigematsu, Y. (203) 369

Kikuchi, K., see Kawamura, M. (203) 225

Kilpatrick, E.S., see MacRury, S.M. (199) 51

Kilroe-Smith, T.A., Becker, P.J. and Gaillard, M.C.

Comparison of normal subjects and asthma patients with respect to age-related elastase-binding activity of α_2 -macroglobulin in plasma (202) 47

Kimball, A.W., see Zaczur, H.A. (204) 209

Kirschbaum, B.

Platelet activating factor acetylhydrolase activity in the urine of patients with renal disease (199) 139

Kishimoto, S., see Tsujino, S. (201) 129

Kissling, R., see Fassbender, K. (203) 315

Klausen, I.C., see Berg Schmidt, E. (198) 271

Kolvraa, S., see Gregersen, N. (203) 23

Kobashi, H., see Kuroda, Y. (199) 17

Kobayashi, A., see Nozue, T. (203) 411

Kobayashi, K., see Kawamura, M. (203) 225

Kodama, T., see Nozue, T. (203) 411

Kohlschütter, A., Seitz, H.J., Feldmann, B., Lehnert, W. and Langenbeck, U.

Glyceroluria in healthy adults, mentally ill adults and children selected for metabolic screening (198) 203

Kohoda, T., see Kosaka, D. (199) 83

Kohout, M., see Pelikánová, T. (203) 329

Koide, H., see Horikoshi, S. (196) 185

Kolonen, S.A. and Puhakainen, E.V.J.

Assessment of the automated colorimetric and the high-performance liquid chromatographic methods for nicotine intake by urine samples of smokers' smoking low- and medium-yield cigarettes (196) 159

Komoda, T., see Takizawa, A. (203) 97

Koolen, M.G.J., see Van de Graaf, E.A. (196) 27

Koomans, H.A., see Boer, P. (199) 195

Koppelkamm, M., see Wendel, U. (201) 95

Kornhuber, A.W., see Kornhuber, M.E. (197) 189

Kornhuber, C., see Kornhuber, M.E. (197) 189

Kornhuber, M.E., Balabanova, S., Heiligenseitzer, G.V., Kornhuber, C., Zettlmeissl, H. and Kornhuber, A.W.

Stability of human blood serum aminoacids after storage at different pH and temperature conditions (197) 189

Kosaka, D., Hiraoka, T., Kohoda, T., Kajiyama, G., Yamauchi, T., Kihira, K., Kuramoto, T. and Hoshita, T.

Stable isotope dilution assay for 5β -cholestane- $3\alpha,7\alpha,12\alpha,25$ -tetrol and 5β -cholestane- $3\alpha,7\alpha,12\alpha,23,25$ -pentol in human serum using [26,27-D₆] labeled internal standards; a highly accurate approach to the serological diagnosis of cerebrotendinous xanthomatosis (199) 83

Koskinen, P., see Roine, R. (204) 13

Kotal, P. and Fevery, J.

Quantitation of urobilinogen in feces, urine, bile and serum by direct spectrophotometry of zinc complex (202) 1

Kotler, D.P., see Saha, A.K. (199) 311

Kováč, J., see Pelikánová, T. (203) 329

Kowalski, D., see Laidler, P. (204) 69

Kožich, V., see Hoffmann, G.F. (198) 209

Kožich, V., see Wanders, R.J.A. (202) 123

Kremmer, T., see Végh, Z. (203) 259

Kristensen, S.D., see Berg Schmidt, E. (198) 271

Kromholz, B., see Müller, A. (197) 59

Kroos, M.J., see Van Dijk, J.P. (203) 1

Kucera, C.M., see Jackson, M.C. (196) 193

Kumaresan, R., see Ramakrishna, B.S. (196) 217

Kuramoto, T., see Kosaka, D. (199) 83

Kurauchi, O., see Mizutani, S. (201) 151

Kuriyama, M., see Fujiyama, J. (200) 1

Kuroda, Y., Kawakami, I., Kobashi, H., Naito, E., Ito, M., Saijo, T., Yokota, I. and Takeda, E.

Screening for disorders of pyruvate metabolism by measuring the ratio of the rates of lactate production and pyruvate decarboxylation in cultured skin fibroblasts (199) 17

Kurome, T., see Katayama, M. (202) 179

Kyurkchiev, S.D., see Simeonova, P.P. (201) 207

L

LaBrooy, J.T., see Penttila, I.A. (204) 95
 LaBrooy, J.T., see Skerritt, J.H. (204) 109
 Labrousse, J., see Rota, M. (201) 75
 Lacher, D.A.
 Comparison of nonparametric recursive partitioning to parametric discriminant analyses in laboratory differentiation of hypercalcemia (204) 199
 Lacour, B., see Hennequin, C. (200) 227
 Ladešić, B., see Vranešić, B. (202) 23
 Lagerlöf, F. and Matsuo, S.
 Ionselective minielectrode determination of ionic and total calcium concentrations in mixed saliva (198) 175
 Laghi, F., see Montagna, M.P. (204) 123
 Laidler, P., Kowalski, D. and Silberring, J.
 Arylsulfatase A in serum from patients with cancer of various organs (204) 69
 Lakatos, A., see Jobst, K. (200) 231
 Laker, M.F., see Snowden, C. (196) 49
 Lal, H., see Singh, J. (203) 375
 Lamb, E., see Silver, A.C. (202) 11
 Lambert, A., see Bernard, A. (201) 231
 Lambert, W., see Periquet, B. (203) 57
 Lambré, C.R., Terzidis, H., Greffard, A. and Webster, R.G.
 An enzyme-linked lectin assay for sialidase (198) 183
 Lang, J., see Glueck, C.J. (201) 113
 Langa, C., see Pérez-Maceda, B. (203) 153
 Langenbeck, U., see Kohlschütter, A. (198) 203
 Langley, P.G., Hughes, R.D., Rolando, N. and Williams, R.
 Increased elastase- α_1 -antitrypsin complex in fulminant hepatic failure: relationship to bacterial infection and activation of coagulation (200) 211
 Langton, S.R. and Dench, J.
 Phospholipase A₂ is associated with albumin in patients with acute pancreatitis (203) 249
 Lannfelt, L., see Lilius, L. (197) 77
 Lanning, M., see Vainionpää, L. (203) 47
 Lapsley, M., see Flynn, F.V. (200) 183
 Lasne, Y., Francina, A. and Benzerara, O.
 Serum ferritin spectotypes in patients with heterozygous β -thalassaemia (197) 85
 László, Á., Matkovics, B., Varge, S.I., Wittman, T. and Fazekas, T.
 Changes in lipid peroxidation and antioxidant enzyme activity of human red blood cells after myocardial infarction (203) 413
 Lauciello, C., see Negri, M. (199) 305
 Lauffart, B., see Mantle, D. (197) 35
 Lauritzen (DK), M., see Uldall (DK), A. (202) 53
 Lauwerys, R., see Bernard, A. (201) 231
 Leahy, D.T., see Sakamoto, Ya. (204) 179
 Leclercq, N., see Peretz, A. (203) 35
 Lecomte, G., see Periquet, B. (203) 57
 Lee, C.F., see Gibson, K.M. (196) 219
 Legovini, P., see Roiter, I. (201) 143
 Lehner, W., see Hoffmann, G.F. (198) 209
 Lehner, W., see Kohlschütter, A. (198) 203
 Lehner, W., see Matern, S. (203) 77
 Lehtimäki, T.
 Determination of apolipoprotein E phenotypes from stored or postmortem serum samples (203) 177
 Leiva, O., see Arenas, J. (200) 53
 Lenney, J.F., see Jackson, M.C. (196) 193
 Lerme, F., see Gasnier, F. (199) 69
 Leroux-Roels, G.G., see De Scheerder, I.K. (197) 115
 Lervang, H.-H., see Berg Schmidt, E. (198) 271
 Levade, T., see Tempesta, M.-C. (202) 149
 Li, J.-Y., Wan, S.-D., Ma, Z.-M., Zhao, Y.-H. and Zhou, G.-P.
 A new mutant erythrocyte pyrimidine 5'-nucleotidase characterized by fast electrophoretic mobility in a Chinese boy with chronic hemolytic anemia (200) 43
 Li, W.X., see Masson, M. (201) 157
 Lilius, L., Lannfelt, L., Wetterberg, L., Floderus, Y., Henriksson, A. and Thunell, S.
 Porphobilinogen deaminase in acute intermittent porphyria: activity and concentration in erythrocytes and lymphocytes (197) 77
 Lima, J.L.F.C., see Araújo, A.N. (203) 67
 Limongelli, F.M., see Nigro, G. (202) 89
 Lin, Y.Y., Wisniewski, K.E., Inoue, Y., Matsumoto, I., Schmidt, B.J., Raiman, E. and Cornejo, V.
 Diagnosis of organic aciduria in developing countries (201) 145
 Linari, F., see Petrarulo, M. (196) 17
 Lindner, H., see Artner-Dworzak, E. (203) 235

Linkins, S., see Zácur, H.A. (204) 209

Ljekavović, D., see Vranešić, B. (202) 23

Lobley, R.W., see Pemberton, P.W. (199) 253

Loper, J., Goy, J., Rozensztajn, L., Bedu, O. and Moisson, P.
Lipid peroxidation and protective enzymes
during myocardial infarction (196) 119

Loko, F., see Bourbouze, R. (199) 185

Lontie, J.F., see Magot, T. (196) 59

López-Bote, J.P., see Pérez-Maceda, B. (203)
153

Loreau, J., see Erlich, D. (201) 169

Louie, E., Rafi, M.A. and Wenger, D.A.
Leukocyte sonicates as a source for both
enzyme assay and DNA amplification for
mutational analysis of certain lysosomal dis-
orders (199) 7

Louisot, P., see Gasnier, F. (199) 69

Lu, M., see Enwonwu, C.O. (203) 363

Lutton, C., see Magot, T. (196) 59

Luurila, O.J., see Roine, R. (204) 13

Luzio, J.P., see Perez, J.H. (197) 171

Lynch, J., see Wang, J. (204) 239

M

Ma, Z.-M., see Li, J.-Y. (200) 43

Maas, M.A.W., see Smit, J.J.H. (197) 95

Maas (NL), A.H.J., see Boink (NL), A.B.T.J. (202) S13

Macchia, T., Mancinelli, R., Barbini, D.A., Taggi, F., Avico, U. and Cantafora, A. Determination of membrane cholesterol in normal and pathological red blood cells (199) 59

Mace, R., May, B., McCray, C., Tracy, T., Spencer, J. and Glueck, C.J. Capillary plasma lipid profiles (204) 189

Macfarlane, J.D., Poorthuis, B.J.H.M., Mulivor, R.A. and Caswell, A.M. Raised urinary excretion of inorganic pyrophosphate in asymptomatic members of a hypophosphatasia kindred (202) 141

Machnik, G., see Müller, A. (197) 59

MacIntyre, F., see Corrigan, F.M. (204) 301

MacRury, S.M., Kilpatrick, E.S., Paterson, K.R. and Dominicak, M.H. Serum fructosamine/haemoglobin A₁ ratio predicts the future changes in haemoglobin A₁ in type 2 (non-insulin dependent) diabetic patients (199) 51

Madec, Y., see Massoubre, C. (201) 223

Madison, J., see Sakamoto, Ya. (204) 309

Madbsad, S., see Saelsen, L. (196) 1

Maeda, M., see Sakuma, R. (203) 143

Maeda, Y., see Kawata, S. (197) 201

Maghsoudloo, M., see Smith, C.H. (201) 89

Magnussen (DK), E., see Uldall (DK), A. (202) S23

Magot, T., Malmendier, C.L., Ouguerram, K., Lontie, J.F. and Lutton, C. In vivo effect of simvastatin on lipoprotein cholesteryl ester metabolism in normocholesterolemic volunteers (196) 59

Mainard, F., see Massoubre, C. (201) 223

Makino, T. A sensitive, direct colorimetric assay of serum zinc using nitro-PAPS and microwell plates (197) 209

Malmendier, C.L., see Magot, T. (196) 59

Manca, L., see Masala, B. (198) 195

Mancinelli, R., see Macchia, T. (199) 59

Mannaerts, G.P., see Wanders, R.J.A. (202) 123

Månsson, J.-E., see Davidsson, P. (197) 103

Mantle, D., Lauffart, B. and Gibson, A. Purification and characterization of leucyl aminopeptidase and pyroglutamyl aminopeptidase from human skeletal muscle (197) 35

Mantle, D. Characterization of dipeptidyl and tripeptidyl aminopeptidases in human kidney soluble fraction (196) 135

Marabani, M., see Reglinski, J. (201) 45

Marangella, M., see Petrarulo, M. (196) 17

Maric, S., see Niketic, V. (197) 47

Marra, E., see Perlini, E. (200) 153

Marschall, H.-U., see Matern, S. (203) 77

Martin, P.A., see West-Jordan, J.A. (203) 119

Martínez, A., see Arenas, J. (200) 53

Marumo, F., see Togashi, K. (201) 193

Masala, B. and Manca, L. Detection of the common Hb F Sardinia [$\Delta\gamma(E19)Ile \rightarrow Thr$] variant by isoelectric focusing in normal newborns and in adults affected by elevated fetal hemoglobin syndromes (198) 195

Masana, L., see Joven, J. (197) 67

Masson, M., Li, W.X., Fluharty, A.L., Beaucourt, J.P., Turpin, J.C. and Baumann, N. Improved synthesis of [1-¹⁴C]acyl-sphinganine-galactose-3-sulfate (sulfatide) for diagnosis of metachromatic leukodystrophy: usefulness of radioscopy (201) 157

Massoubre, C., Chivot, L., Mainard, F., Bridji, B. and Madec, Y. Immunonephelometric assay of myoglobin (201) 223

Matern, H., see Matern, S. (203) 77

Matern, S., Marschall, H.-U., Schill, A., Schumacher, B., Lehnert, W., Sjövall, J. and Matern, H. Synthesis of ¹³C-labeled chenodeoxycholic, hyodeoxycholic, and ursodeoxycholic acids for the study of bile acid metabolism in liver disease (203) 77

Matkovics, B., see László, A. (203) 413

Matkovics, B., see Novák, Z. (201) 247

Matsumoto, I., see Lin, Y.Y. (201) 145

Matsuo, S., see Lagerlöf, F. (198) 175

Matta, K.L., see Thompson, S. (201) 59

May, B., see Mace, R. (204) 189

Mayor, J.J., see Arenas, J. (200) 53

Mazieres, B., see Periquet, B. (203) 57

McCray, C., see Glueck, C.J. (197) 121

McCray, C., see Mace, R. (204) 189

McGann, A.M. and Hodson, A.W.

- Delay in cell separation, storage and anticoagulants induced inaccuracies in measuring plasma non-esterified fatty acids (197) 265

McKillop, J.H., see Reglinski, J. (201) 45

McLaughlin, H., see Sakamoto, Ya. (204) 179

McLean, R.J.C., Downey, J., Clapham, L., Wilson, J.W.L. and Nickel, J.C.

- Pyrophosphate inhibition of *Proteus mirabilis*-induced struvite crystallization in vitro (200) 107

McLellan, A.C. and Thornalley, P.J.

- Optimisation of non-denaturing polyacrylamide gel electrophoretic analysis of glyoxalase I phenotypes in clinical blood samples (204) 137

McNeish, A.S., see Quak, S.H. (204) 145

Meer Van Der, S.B., see Ketting, D. (204) 79

Mendis, S., Shepherd, J., Packard, C.J. and Gaffney, D.

- Restriction fragment length polymorphisms in the Apo B gene in relation to coronary heart disease in a Southern Asian population (196) 107

Meyer, M., see Dauberschmidt, R. (199) 167

Miller, A.L., see Weinreb, R.N. (199) 1

Miller, J.B., see Qu, Y. (203) 191

Mills, G.A., Hill, M.A.W., Buchanan, R. and Walker, D.L.C. and V.

- 3-Hydroxy-3-methylglutaric aciduria: a possible pitfall in diagnosis (204) 131

Mitsuhashi, S., see Zhang, C.-y. (202) 243

Miura, K., see Adachi, K. (200) 13

Miyake, K., see Zhu, Y. (201) 183

Mizuno, S., see Satoh, K. (202) 95

Mizusawa, K., see Shirokane, Y. (202) 227

Mizutani, S., Nomura, S., Kurauchi, O., Katsugai, M., Ino, K., Goto, S. and Tomoda, Y.

- Aminopeptidases in the soluble fraction of human placenta (201) 151

Mohammed, S.M., Suleiman, S.A., Addae, S.K., Annobil, S.H., Adzaku, F.K., Kadoumni, O.F. and Richards, J.T.

- Urinary hydroxyproline and serum alkaline phosphatase in sickle cell disease (203) 285

Moisson, P., see Loepfer, J. (196) 119

Monnier, L., see Colette, C. (204) 43

Montagna, M.P., Laghi, F., Cremona, G., Zuppi, C., Barbaresi, Giuliano and Castellana, M.L.

- Influence of serum proteins on fructosamine concentration in multiple myeloma (204) 123

Morag, B., see Barash, V. (201) 175

Morelis, R.M., Coulet, P.R., Simplot, A., Boisson, C. and Guibaud, G.

- Rapid and sensitive discriminating determination of acetylcholinesterase activity in amniotic fluid with a choline sensor (203) 295

Morgan, P., see Haines, A. (198) 261

Moschini, F., see Annunziata, P. (201) 139

Moser, U., see Weiler, H. (199) 283

Mrochen, H., see Dauberschmidt, R. (199) 167

Mucha, A.I., see Babizhayev, M.A. (196) 77

Mulder, I.E., see Niezen-Koning, K.E. (199) 173

Mulivor, R.A., see Macfarlane, J.D. (202) 141

Müller, A., Krombholz, B., Pott, G., Machnik, G., Vollhardt, R., Reinhardt, M. and Jorke, D.

- Collagen peptidase and type III procollagen peptide serum levels in chronic liver diseases (197) 59

Müller, M.M., Curtius, H.-C., Herold, M. and Huber, C.H.

- Neopterin in clinical practice (201) 1

Müller, W., see Fassbender, K. (203) 315

Müller-Plathe (DE), O., see Boink (NL), A.B.T.J. (202) S13

Mullock, B.M., see Perez, J.H. (197) 171

Murase, M., see Saeki, S. (204) 155

Murphy, G.M., see Smith, C.H. (201) 89

Mylllä, V., see Vainionpää, L. (203) 47

Myrup, B., Bregenggaard, C., Petersen, L.R. and Winther, K.

- Platelet aggregation and fatty acid composition of platelets in type 1 diabetes mellitus (204) 251

N

Nagata, K., see Fujiyama, J. (200) 1
 Naito, E., see Kuroda, Y. (199) 17
 Naka, H., see Abe, J. (203) 95
 Nakajima, M.-o., see Shirokane, Y. (202) 227
 Nakamura, Y., see Takahashi, Y. (203) 199
 Nakanishi, T., Shimizu, A., Saiki, K., Fujiwara, F., Funahashi, S. and Hayashi, A.
 Quantitative analysis of urinary pyroglutamic acid in patients with hyperammonemia (197) 249
 Nakao, H., Nishikawa, A., Nishiura, T., Kanayama, Y., Tarui, S. and Taniguchi, N.
 Hypogalactosylation of immunoglobulin G sugar chains and elevated serum interleukin 6 in Castleman disease (197) 221
 Natowicz, M.R., Prence, E.M. and Cajolet, A.
 Marked variation in blood beta-hexosaminidase in Gaucher disease (203) 17
 Navarro, M.A., see Rivera-Coll, A. (203) 103
 Neel, D., see Erlich, D. (201) 169
 Negri, M., Bellavite, P., Lauciello, C., Guzzo, P. and Zatti, M.
 A photometric assay for hydrogen peroxide production by polymorphonuclear leucocytes (199) 305
 Nelson, S.R., Tennent, G.A., Sethi, D., Gower, P.E., Ballardie, F.W., Amatayakul-Chantler, S. and Pepys, M.B.
 Serum amyloid P component in chronic renal failure and dialysis (200) 191
 Németh, I., see Novák, Z. (201) 247
 Nešković, S., see Niketić, V. (197) 47
 Nève, J., see Peretz, A. (203) 35
 N'Guyen, H., see Biou, D. (204) 1
 Nickel, J.C., see McLean, R.J.C. (200) 107
 Niezen-Koning, K.E., Chapman, T.E., Mulder, I.E., Smit, G.P.A., Reijngoud, D.J. and Berger, R.
 Determination of medium chain acyl-CoA dehydrogenase activity in cultured skin fibroblasts using mass spectrometry (199) 173
 Nigro, G., Comi, L.I., Politano, L. and Limongelli, F.M.
 Skeletal muscle cytochrome c in X-linked muscle dystrophies (202) 89
 Niketić, V., Marić, S., Diklić, A., Nešković, S. and Tomašević, N.
 Modified hemoglobin in hypoglycemia caused by hyperinsulinism (197) 47
 Nilsson, J.-E., see Berg, B. (197) 147
 Nishikawa, A., see Nakao, H. (197) 221
 Nishina, T., see Sakuma, R. (203) 143
 Nishioka, K., see Sakuma, R. (203) 143
 Nishitani, H., see Ohta, M. (201) 201
 Nishiura, T., see Nakao, H. (197) 221
 Nixon, P.F., see Price, J. (202) 39
 Noel, A., see Bernard, A. (201) 231
 Nojima, M., see Okuyama, T. (196) 207
 Noma, A., Hata, Y. and Goto, Y.
 Quantitation of serum apolipoprotein A-I, A-II, B, C-II, C-III and E in healthy Japanese by turbidimetric immunoassay: reference values, and age- and sex-related differences (199) 147
 Nomura, S., see Mizutani, S. (201) 151
 Norden, A.G.W., see Flynn, F.V. (200) 183
 Nordén, N.E., see Bergenfelz, A. (197) 229
 Novák, Z., Németh, I., Gyurkovits, K., Varga, S.I. and Matkovics, B.
 Examination of the role of oxygen free radicals in bronchial asthma in childhood (201) 247
 Novo, F.J. and Tutor, J.C.
 Wheat germ agglutinin binding to serum 5'-nucleotidase and alkaline phosphatase (203) 101
 Nozue, T., Kodama, T. and Kobayashi, A.
 Improved method for the determination of the magnesium concentration of mononuclear blood cells (203) 411
 Nyhan, W.L., see Hoffmann, G.F. (198) 209
 Nyhan, W.L., see Thuy, L.P. (202) 191
 Nylander, P.L., see Tuuminen, T. (202) 167

O

Obayashi, T., see Tamura, H. (200) 35
O'Brien, J.F., see Gonchoroff, D.G. (199) 43
Ohman, E.M., see Christenson, R.H. (200) 23
Ohta, K., see Ohta, M. (201) 201
Ohta, M., Itoh, M., Hara, H., Itoh, N., Nishitani, H., Hayashi, K. and Ohta, K.
Anti-skeletal muscle and anti-acetylcholine receptor antibodies in patients with thymoma without *Myasthenia gravis*: relation to the onset of *Myasthenia gravis* (201) 201
Oimomi, M., see Igaki, N. (199) 113
Okabe, H., see Shibuya, Y. (200) 119
Okada, A., see Yonekura, T. (199) 91
Okigaki, T., see Kanemitsu, F. (197) 9
Okuyama, T., Ishiura, S., Nojima, M., Tsukahara, T., Yanagida, M. and Sugita, H.
Aminopeptidase A in human placenta and pregnant serum (196) 207
Olivera, D.B., see Cooper, C.M. (202) 73
Omene, J.A., see Saha, A.K. (199) 311
Orii, T., see Takahashi, Y. (203) 199
Orlacchio, A., see Datti, A. (200) 73
Osame, M., see Fujiyama, J. (200) 1
Ouguerram, K., see Magot, T. (196) 59
Out, T.A., see Van de Graaf, E.A. (196) 27

P

Packard, C.J., see Mendis, S. (196) 107
 Page, S., see Jackson, M.J. (197) 1
 Pages, A., see Hayer, M. (203) 343
 Palo, J., see Roine, R. (204) 13
 Pares-Herbute, N., see Colette, C. (204) 43
 Pasini, C., see Cominacini, L. (204) 57
 Pastorino, A.M., see Cominacini, L. (204) 57
 Patel, G., see Bowyer, R.C. (200) 137
 Paterson, K.R., see MacRury, S.M. (199) 51
 Patzke, F., see Gottschalk, E.M. (204) 223
 Paumgartner, G., see Fischer, S. (203) 269
 Paz, J.M., see Rodríguez-Segade, S. (203) 135
 Peled, Y. and Gilat, T.
 Comparison of sampling systems for the collection of $^{14}\text{CO}_2$ in ^{14}C breath tests (202) 83
 Pelikánová, T., Kohout, M., Baše, J., Štefka, Z., Kovář, J., Kazdová, L. and Válek, J.
 Effect of acute hyperinsulinemia on fatty acid composition of serum lipids in non-insulin-dependent diabetics and healthy men (203) 329
 Peltenburg, H.G., Janssen, M.A., Soeters, P.B., Flendrig, J.G. and Hermens, W.T.
 Measurement of ornithine carbamyl transferase (OCT) in plasma by means of enzymatic determination of ammonia (203) 395
 Pemberton, P.W., Gagjee, P., Chaloner, C., Braganza, J.M. and Lobley, R.W.
 Spectrofluorimetric determination of urinary *p*-aminobenzoic and *p*-aminosalicylic acids in the BT-PABA/PAS test of pancreatic function (199) 253
 Penttila, I.A., Devery, J.M., Gibson, C.E., LaBrooy, J.T. and Skerritt, J.H.
 Cellular and humoral responses in coeliac disease. I. Wheat protein fractions (204) 95
 Penttila, I.A., see Skerritt, J.H. (204) 109
 Pepys, M.B., see Nelson, S.R. (200) 191
 Peretz, A., Nève, J., Jeghers, O., Leclercq, N., Praet, J.-P., Vertongen, F. and Famaey, J.-P.
 Interest of zinc determination in leucocyte fractions for the assessment of marginal zinc status (203) 35
 Perez, J.H., Van Schaik, M., Mullock, B.M., Bailyes, E.M., Price, C.P. and Luzio, J.P.
 The presence and measurement of secretory component in human bile and blood (197) 171
 Pérez-Maceda, B., López-Bote, J.P., Langa, C. and Bernabeu, C.
 Antibodies to dietary antigens in rheumatoid arthritis - possible molecular mimicry mechanism (203) 153
 Periquet, B., Lambert, W., Garcia, J., Lecomte, G., De Leenheer, A.P., Mazieres, B., Thouvenot, J.P. and Arlet, J.
 Increased concentrations of endogenous 13-*cis*- and all-*trans*-retinoic acids in diffuse idiopathic skeletal hyperostosis, as demonstrated by HPLC (203) 57
 Perlino, E., Marra, E., Petragallo, V.A., Quagliariello, E., De Terlizzi, M., Santostasi, T. and Ceci, A.
 Biochemical properties of blood cells from histiocytosis X patients (200) 153
 Petersen, L.R., see Myrup, B. (204) 251
 Petragallo, V.A., see Perlino, E. (200) 153
 Petrarulo, M., Marangella, M. and Linari, F.
 High-performance liquid chromatographic determination of plasma glycolic acid in healthy subjects and in cases of hyperoxaluria syndromes (196) 17
 Plunkett, W., see Kemena, A. (200) 95
 Poch, M., see Araujo, A.N. (203) 67
 Poggi, A., see Annunziata, P. (201) 139
 Politano, L., see Nigro, G. (202) 89
 Poorthuis, B.J.H.M., see Macfarlane, J.D. (202) 141
 Pospíšil, R. and Valík, D.
 A universal eluent system for free amino acid analysis in biological fluids (200) 49
 Pott, G., see Müller, A. (197) 59
 Potter, J.F., see Heseltine, D. (196) 41
 Praet, J.-P., see Peretz, A. (203) 35
 Prje, J. and Vassy, R.
 Urine thiocyanate : creatinine ratio as a reliable indicator of cigarette smoking (204) 87
 Prence, E.M., see Natowicz, M.R. (203) 17
 Price, C.P., see Perez, J.H. (197) 171
 Price, J., Clague, A.E., Kerr, R.A. and Nixon, P.F.
 In thiamine deficiency, activation of erythrocyte transketolase by thiamine *in vivo* exceeds activation by cofactor *in vitro* (202) 39
 Priem, F., see Jung, K. (203) 405

Prin, L., see Deviller, P. (201) 105
 Prummel, M.F., see Van Straalen, J.P. (201) 27
 Puuhakainen, E.V.J., see Kolonen, S.A. (196) 159
 Puschendorf, B., see Artner-Dworzak, E. (203) 235
 Putnam, F.W., see Sakamoto, Ya. (204) 179

Q

Qu, Y., Miller, J.B., Slocum, R.H. and Shapira, E.
Rapid automated quantitation of isoleucine, leucine, tyrosine and phenylalanine from dried blood filter paper specimens (203) 191
Quach, H.T., see Vatassery, G.T. (197) 19

Quagliariello, E., see Perlino, E. (200) 153
Quak, S.H., Brown, G.A., Booth, I.W. and McNeish, A.S.
The nature of small bowel luminal fluid lactase (204) 145
Quilici, M., see Gharib, B. (199) 159

R

Rabelink, A.J., see Boer, P. (199) 195

Raffi, F., see Bourbouze, R. (199) 185

Rafi, M.A., see Louie, E. (199) 7

Raiman, E., see Lin, Y.Y. (201) 145

Rakkolainen, A.E.M., see Tuuminen, T. (202) 167

Ramakrishna, B.S., Kumaresan, R. and Balasubramanian, K.A.

Erythrocyte sodium in chronic liver disease with ascites (196) 217

Ramasamy, I.

Affinity electrophoresis of alkaline phosphatase using polyacrylamide gels (199) 243

Ratti, E., see Cominacini, L. (204) 57

Reglinski, J., Smith, W.E., Wilson, R., Buchanan, L.M., McKillop, J.H., Thomson, J.A., Brzeski, M., Marabani, M. and Sturrock, R.D.

Clinical analysis in intact erythrocytes using ¹H spin echo NMR (201) 45

Reiber, H., see Carlsson, J. (196) 167

Reijngoud, D.J., see Niezen-Koning, K.E. (199) 173

Reinhardt, M., see Müller, A. (197) 59

Retelewska, W., Gaczyńska, M., Bartosz, G. and Judkiewicz, L.

Consequences of the presence of elongated variant of the major transmembrane protein (Band 3 protein) in the human erythrocyte (198) 255

Retelewska, W., see Bartosz, G. (198) 239

Rezgui, N., see Rota, M. (201) 75

Richards, J.T., see Mohammed, S.M. (203) 285

Richter, W.O., see Sönnichsen, A.C. (202) 133

Rigg (NL), J.C., see Uldall (DK), A. (202) S23

Riggs, B.L., see Gonchoroff, D.G. (199) 43

Risteli, J., see Vainionpää, L. (203) 47

Risteli, L., see Vainionpää, L. (203) 47

Rivera-Coll, A. and Navarro, M.A.

Further data on an RIA kit for the direct measurement of free testosterone in plasma (203) 103

Robaina, R., see Gonzalez, R.R. (197) 159

Robertson, C., see Duncan, A. (200) 223

Rock, E., see Thomas, M.A. (200) 201

Rodríguez-Segade, S., Camiña, M.F., Paz, J.M. and Del Río, R.

Abnormal serum immunoglobulin concentrations in patients with diabetes mellitus (203) 135

Rodriguez, M.E., see Gonzalez, R.R. (197) 159

Roggentin, P., Hobrecht, R., Tirpitz, D., Rothe, B. and Schauer, R.

Application of sialidase antibodies for the diagnosis of clostridial infections (196) 97

Roine, R., Heinonen, T., Salmela, K., Heikkonen, E., Suokas, A., Luurila, O.J., Koskinen, P., Palo, J. and Salaspuro, M.

Strenuous physical activity, aspirin and heat stress increase urinary dolichols: evidence for lysosomal origin of urinary dolichols (204) 13

Roiter, I., Da Rin, G., Galliazzo, S., Legovini, P., Di Virgilio, R., Foscolo, G., Breda, F. and Conte, N.

Measurement of intact parathormone in hypothyroidism (201) 143

Rolando, N., see Langley, P.G. (200) 211

Rossi, S.S., Angellotti, M.A., Setchell, K.D.R. and Hofmann, A.F.

Measurement of total fasting-state serum bile acids: comparison of a solid-phase bioluminescence enzymatic assay, a homogeneous fluorescence enzymatic assay and isotope dilution gas chromatography-mass spectrometry (200) 63

Rota, M., Bruylants, N., Rezgui, N., Labrousse, J. and Allard, D.

Increased plasma cyclic guanosine monophosphate concentration in chronic obstructive pulmonary disease patients with increased circulating atrial natriuretic peptide (201) 75

Rothe, B., see Roggentin, P. (196) 97

Rouffy, J., see Erlich, D. (201) 169

Rousson, R., see Gasnier, F. (199) 69

Roussouly, P., see Gasnier, F. (199) 69

Rozenstajn, L., see Loepel, J. (196) 119

Ruo, T.I., Wang, Z., Dordal, M.S. and Jr., A.J.A.

Assay of inulin in biological fluids by high-performance liquid chromatography with pulsed amperometric detection (204) 217

Russell, R.I., see Duncan, A. (200) 223

S

Sachs (FR), C., see Boink (NL), A.B.T.J. (202) S13

Saha, A.K., Glew, R.H., Kotler, D.P. and Omene, J.A.
Elevated serum β -glucuronidase activity in acquired immunodeficiency syndrome (199) 311

Saheki, S., Takahashi, I., Murase, M., Takeuchi, N. and Uchida, K.
Composition of very low density lipoproteins and in vitro effect of lipoprotein lipase (204) 155

Saijo, T., see Kuroda, Y. (199) 17

Saiki, K., see Nakanishi, T. (197) 249

Saito, S., see Zhang, C.-y. (202) 243

Sajjan, A.R., Hinchigeri, S.B. and Datta, K.S.
Biochemical properties of γ -glutamyl transpeptidase in human submandibular gland (203) 409

Sajjan, A.R., Hinchigeri, S.B. and Datta, K.S.
Multiple forms of γ -glutamyl transpeptidase in human submandibular gland (197) 131

Sakagishi, Y., see Takizawa, A. (203) 97

Sakamoto, Y., Davis, E., Madison, J., Watkins, S., McLaughlin, H., Leahy, D.T. and Putnam, F.W.
Purification and structural study of two albumin variants in an Irish population (204) 179

Sakoda, S., see Tsujino, S. (201) 129

Sakuma, R., Nishina, T., Yamanaka, H., Kamatani, N., Nishioka, K., Maeda, M. and Tsuji, A.
Phosphoribosylpyrophosphate synthetase in human erythrocytes: assay and kinetic studies using high-performance liquid chromatography (203) 143

Salaspuro, M., see Roine, R. (204) 13

Salmela, K., see Roine, R. (204) 13

Salvayre, R., see Tempesta, M.-C. (202) 149

Sa Miranda, M.C., see Aerts, J.M.F.G. (203) 349

Sanders, E., see Van Straalen, J.P. (201) 27

Sanders, G.T.B., see Van Straalen, J.P. (201) 27

Sansom, P.A., see Flynn, F.V. (200) 183

Santos, I., see Arenas, J. (200) 53

Santostasi, T., see Perlino, E. (200) 153

Satoh, K., Imaizumi, T.-a., Yoshida, H., Kawamura, Y., Takamatsu, S., Takamatsu, M. and Mizuno, S.
Platelet-activating factor acetylhydrolase in plasma lipoproteins of healthy men and women (202) 95

Satoh, K., see Yoshida, H. (199) 99

Saulnier, J.M., Hauck, M., Fülop Jr., T. and Wallach, J.M.
Human aortic elastin from normal individuals and atherosclerotic patients: lipid and cation contents; susceptibility to elastolysis (200) 129

Schaeffer, M., see Springer, C.J. (198) 245

Scharpe, S., see Den Tandt, W.R. (199) 231

Scharpé, S., see Hendriks, D. (196) 87

Schauer, R., see Roggentin, P. (196) 97

Schill, A., see Matern, S. (203) 77

Schmidt, B.J., see Lin, Y.Y. (201) 145

Schneider, J., see Sieg, I. (202) 211

Schram, A.W., see Aerts, J.M.F.G. (203) 349

Schumacher, B., see Matern, S. (203) 77

Schutgens, R.B.H., see Wanders, R.J.A. (202) 123

Schutz, E., see Fieseler, H.-G. (204) 291

Schwandt, P., see Sönnichsen, A.C. (202) 133

Schwartz, D.C., see Dnistrian, A.M. (200) 81

Schwartz, M.K., see Dnistrian, A.M. (200) 81

Scrobohaci, M.L., see Erlich, D. (201) 169

Sébille, B., see Šoltés, L. (201) 35

Seidel, D., see Carlsson, J. (196) 167

Seidel, D., see Fieseler, H.-G. (204) 291

Seitz, H.J., see Kohlschütter, A. (198) 203

Sela, B.-A. and Doolman, R.
Refinement of a specific assay for hydroxyproline in urine (203) 91

Seomba, U., see Shibuya, Y. (200) 119

Seta, N., Tissot, B., Forestier, F., Feger, J., Daftos, F. and Durand, G.
Changes in α_1 -acid glycoprotein serum concentrations and glycoforms in the developing human fetus (203) 167

Setchell, K.D.R., see Rossi, S.S. (200) 63

Sethi, D., see Nelson, S.R. (200) 191

Shapira, E., see Qu, Y. (203) 191

Sharma, A. and Janis, L.S.
Lipoprotein-cyclodextrin interaction (199) 129

Sharma, A., see Singh, J. (203) 375

Shenton, B.K., see Donnelly, P.K. (202) 55

Shepherd, J., see Mendis, S. (196) 107

Sherwood, R.A., Bayliss, E.M. and Chappatte, O.

Assay of plasma glycine by HPLC with electrochemical detection in patients undergoing glycine irrigation during gynaecological surgery (203) 275

Sheth, K., see Haq, A. (200) 67

Shibata, T., see Kawamura, M. (203) 225

Shibata, Y., see Fujiyama, J. (200) 1

Shibuya, Y., Yamamoto, T., Tanaka, H., Semba, U., Kambara, T. and Okabe, H.

Mechanized assay of plasma prekallikrein by activation with *Pseudomonas aeruginosa* elastase and amidolysis of chromogenic substrate (200) 119

Shigematsu, Y., Kikawa, Y., Sudo, M., Kanaoka, H., Fujioka, M. and Dan, M.

Prenatal diagnosis of isovaleric acidemia by fast atom bombardment and tandem mass spectrometry (203) 369

Shimizu, A., see Nakanishi, T. (197) 249

Shirokane, Y., Nakajima, M.-o. and Mizusawa, K.

A new enzymatic assay of urinary guanidinoacetic acid (202) 227

Sieg, I., Doss, M.O., Kandels, H. and Schneider, J.

Effect of alcohol on δ -aminolevulinic acid dehydratase and porphyrin metabolism in man (202) 211

Siggaard-Andersen (DK), O., see Boink (NL), A.B.T.J. (202) S13

Silberring, J., see Laidler, P. (204) 69

Silver, A.C., Lamb, E., Cattell, W.R. and Dawney, A.B.S.J.

Investigation and validation of the affinity chromatography method for measuring glycated albumin in serum and urine (202) 11

Simeonova, P.P., Kehayov, I.R. and Kyurkchiev, S.D.

Identification of human ventricular myosin heavy chain fragments with monoclonal antibody 2F4 in human sera after myocardial necrosis (201) 207

Simpson, A., see Morelis, R.M. (203) 295

Singh, J., Sharma, A., Yadav, S.P.S. and Lal, H.

Serum gamma glutamyl transpeptidase in head and neck cancer (203) 375

Sjövall, J., see Matern, S. (203) 77

Skerritt, J.H., Devery, J.M., Penttila, I.A. and LaBrooy, J.T.

Cellular and humoral responses in coeliac disease. 2. Protein extracts from different cereals (204) 109

Skerritt, J.H., see Penttila, I.A. (204) 95

Skinner, E.R., see Corrigan, F.M. (204) 301

Slikkerveer, A., Helmich, R.B., Edelbroek, P.M., Van der Voet, G.B. and De Wolff, F.A.

Analysis of bismuth in serum and blood by electrothermal atomic absorption spectrometry using platinum as matrix modifier (201) 17

Slocum, R.H., see Qu, Y. (203) 191

Sælsen, L., Tronier, B., Madsbad, S. and Christensen, N.J.

A rapid method for determination of human C-peptide in plasma (196) 1

Smal, M.A., see Cooney, S.J. (200) 161

Smekens, F., see Brouwer, J. (201) 137

Smelt, A.H.M., see Zhao, S.P. (203) 109

Smeijers-Verbeke, J., see Yang, Q. (204) 23

Smit, G.P.A., see Niezen-Koning, K.E. (199) 173

Smit, J.J.H., Bosman, D.K., Jörning, G.G.A., De Haan, J.G., Maas, M.A.W. and Chamuleau, R.A.F.M.

The relationship between plasma free fatty acids and experimentally induced hepatic encephalopathy in the rat (197) 95

Smith, B., see Zacur, H.A. (204) 209

Smith, C.A., see Dnistrian, A.M. (200) 81

Smith, C.H., Maghsoudloo, M., Himuna, K. and Murphy, G.M.

Pitfalls in the determination of diamine oxidase activity (201) 89

Smith, W.E., see Reglinski, J. (201) 45

Smith, W.E., see Vataserry, G.T. (197) 19

Snowden, C., Houlston, R.S., Arif, M.H., Laker, M.F., Humphries, S.E. and Alberti, K.G.M.M.

Disparity between apolipoprotein E phenotypes and genotypes (as determined by polymerase chain reaction and oligonucleotide probes) in patients with non-insulin-dependent diabetes mellitus (196) 49

Sobieska, M., see Fassbender, K. (203) 315

Soeters, P.B., see Peltenburg, H.G. (203) 395

Solberg, H.E. and Stamm, D.

IFCC Recommendation - theory of reference values. Part 4. Control of analytical variation in the production, transfer and application of reference values (202) S5

Soltés, L., Sébille, B. and Fügedi, A.

High-performance liquid chromatographic determination of bilirubin distribution on serum proteins (201) 35

Sönichsen, A.C., Richter, W.O. and Schwandt, P.
Body fat distribution and serum lipoproteins in relation to age and body weight (202) 133

Spaapen, L.J.M., see Ketting, D. (204) 79

Speidel, I., see Hoffmann, G.F. (198) 209

Speirs, J., see Glueck, C.J. (197) 121

Speirs, J., see Glueck, C.J. (201) 113

Springer, C.J., Eberlein, G.A., Eysselein, V.E., Schaeffer, M., Goebell, H. and Calam, J.
Accelerated *in vitro* degradation of CCK-58 in blood and plasma of patients with acute pancreatitis (198) 245

Sørensen, S.
Isolation of amniotic fluid proteins of non-maternal serum origin by negative immunoadsorption chromatography (202) 199

Stacey, T.E., see Davies, S.E.C. (204) 263

Stahl, A.J.C., see Gugliucci, A. (204) 37

Stamm, D., see Solberg, H.E. (202) S5

Starreveld, J.S., see Van Dijk, J.P. (203) 1

Štefka, Z., see Pelikánová, T. (203) 329

Steyler, J.G., see Forbes, J. (199) 279

Stigbrand, T., see Domar, U. (203) 305

Stolk, M.F.J., see Van Erpecum, K.J. (199) 295

Strain, J., see Howl, J. (200) 221

Strandvik, B., see Ellin, Å. (200) 59

Stumpf, C., see Dauberschmidt, R. (199) 167

Sturrock, R.D., see Reglinski, J. (201) 45

Succari-Aderschlag, M., see Kawerk, N. (202) 65

Sudlow, K. and Woolf, A.
Identification of renal calculi by their Raman spectra (203) 387

Sudo, M., see Shigematsu, Y. (203) 369

Sugita, H., see Okuyama, T. (196) 207

Suleiman, S.A., see Mohammed, S.M. (203) 285

Suokas, A., see Roine, R. (204) 13

Suzuki, T., see Tsujino, S. (201) 129

Suzuki, T., Takizawa-Mizuno, M., Yazaki, M., Wada, Y., Asai, K. and Kato, T.
Plasma lactoferrin levels after bone marrow transplantation monitored by a two-site enzyme immunoassay (202) 111

Svennerholm, L., see Davidson, P. (197) 103

Sweetman, L., see Hoffmann, G.F. (198) 209

Sweetman, L., see Hoffmann, G.F. (199) 237

Sweetman, L., see Thuy, L.P. (202) 191

Szajáni, B., see Végh, Z. (203) 259

T

Tager, J.M., see Aerts, J.M.F.G. (203) 349

Taggi, F., see Macchia, T. (199) 59

Takahashi, H., see Zhang, C.-y. (202) 243

Takahashi, I., see Saheki, S. (204) 155

Takahashi, Y., Nakamura, Y., Yamaguchi, S. and Orii, T.
Urinary oligosaccharide excretion and severity of galactosialidosis and sialidosis (203) 199

Takamatsu, M., see Satoh, K. (202) 95

Takamatsu, S., see Satoh, K. (202) 95

Takamatsu, S., see Yoshida, H. (199) 99

Takashi, M., see Zhu, Y. (201) 183

Takeda, E., see Kuroda, Y. (199) 17

Takenaga, S., see Fujiyama, J. (200) 1

Takeuchi, N., see Saheki, S. (204) 155

Takizawa, A., Komoda, T., Hokari, S., Sakagishi, Y. and Tanaka, A.
A discrepancy between *in vivo* and *in vitro* lipoprotein lipase activity in a patient with Tangier disease (203) 97

Takizawa-Mizuno, M., see Suzuki, T. (202) 111

Tamura, H., Tanaka, S., Obayashi, T., Yoshida, M. and Kawai, T.
A new sensitive method for determining endotoxin in whole blood (200) 35

Tanaka, A., see Takizawa, A. (203) 97

Tanaka, H., see Fujiyama, J. (200) 1

Tanaka, H., see Shibuya, Y. (200) 119

Tanaka, S., see Tamura, H. (200) 35

Taniguchi, N., see Nakao, H. (197) 221

Tardy, F., see Deviller, P. (201) 105

Tarui, S., see Imai, Y. (199) 109

Tarui, S., see Kawata, S. (197) 201

Tarui, S., see Nakao, H. (197) 221

Tarui, S., see Yonekura, T. (199) 91

Tatnell, M., see Johnson, R.N. (198) 229

Tempesta, M.-C., Levade, T. and Salvayre, R.
Arylsulfatases A and B in EBV-transformed lymphoid cell lines: studies on their molecular forms in cells from patients with inborn sulfatase deficiencies. Comparative diagnostic value of enzymatic assays (202) 149

Tennent, G.A., see Nelson, S.R. (200) 191

Terzidis, H., see Lambré, C.R. (198) 183

Teshima, S., Hayashi, Y., Emi, S. and Ishimaru, K.
Determination of α -amylase using a new blocked substrate (3-ketobutyldene β -2-chloro-4-nitrophenyl-maltopentaose) (199) 23

Teshiroguri, R.-i., see Yoshida, H. (199) 99

Thiery, J., see Fieseler, H.-G. (204) 291

Thomas, M.A., Rock, E. and Virelizier, J.
Membrane properties of the sarcolemma and sarcoplasmic reticulum of pigs susceptible to malignant hyperthermia. Action of halothane (200) 201

Thomas, T.H., see Heseltine, D. (196) 41

Thompson, A., see Barns, R.J. (197) 27

Thompson, S., Matta, K.L. and Turner, G.A.
Changes in fucose metabolism associated with heavy drinking and smoking: a preliminary report (201) 59

Thomson, J.A., see Reglinski, J. (201) 45

Thornalley, P.J., see McLellan, A.C. (204) 137

Thouvenot, J.P., see Periquet, B. (203) 57

Thunell, S., see Lilius, L. (197) 77

Thuy, L.P., Sweetman, L. and Nyhan, W.L.
A new immunochemical assay for biotin (202) 191

Tikkanen, M.J., see Tilly-Kiesi, M.K. (201) 65

Tilly-Kiesi, M.K. and Tikkanen, M.J.
Differential low density lipoprotein hydrated density distribution in female and male patients with familial hypercholesterolemia (201) 65

Tirpitz, D., see Roggentin, P. (196) 97

Tissot, B., see Seta, N. (203) 167

Togashi, K., Kameya, T., Ando, K., Marumo, F. and Kawakami, M.
Brain natriuretic peptides in human plasma, spinal cord and cerebrospinal fluid (201) 193

Tomašević, N., see Niketić, V. (197) 47

Tomašić, J., see Vranešić, B. (202) 23

Tomoda, Y., see Mizutani, S. (201) 151

Toone, J.R. and Applegarth, D.A.
Micromethod for the assay of glutamate: glyoxylate aminotransferase and modifications of a micromethod for the assay of alanine: glyoxylate aminotransferase. Implications for the prenatal diagnosis of Type I hyperoxaluria by fetal liver biopsy (203) 105

Toueri, M.F., see Hayer, M. (203) 343

Tracy, T., see Glueck, C.J. (201) 113
Tracy, T., see Mace, R. (204) 189
Trefz, F.K., see Hoffmann, G.F. (198) 209
Trewyn, R.W., see D'Ambrosio, S.M. (199) 119
Trier Damgaard (DK), P., see Uldall (DK), A. (202) S23
Tronier, B., see Sælsen, L. (196) 1
Tryding, N., see Berg, B. (197) 147
Tsiapara, A., see Aerts, J.M.F.G. (203) 349
Tsujii, A., see Sakuma, R. (203) 143
Tsujino, S., Suzuki, T., Azuma, T., Higa, S.,
Sakoda, S. and Kishimoto, S.
Hyperornithinemia, hyperammonemia and
homocitrullinuria — a case report and study
of ornithine metabolism using in vivo deuterium labelling (201) 129
Tsukahara, T., see Okuyama, T. (196) 207
Turner, G.A., see Thompson, S. (201) 59
Turpin, J.C., see Masson, M. (201) 157
Tutor, J.C., see Novo, F.J. (203) 101
Tuuminen, T., Rakkolainen, A.E.M., Welin, M.-G.I., Weber, T.H., Nylander, P.L. and
Käpyaho, K.I.
A rapid fluorometric enzyme immunoassay
for the determination of neonatal TSH from
blood spots (202) 167

U

Uchida, H., see Katayama, M. (202) 179

Uchida, K., see Saheki, S. (204) 155

Uldall, A., Trier Damgaard (DK), P.,
Drachmann (DK), O., Jørgensen (DK), F.,
Kennedy (UK), D., Lauritzen (DK), M.,
Magnussen (DK), E., Rigg (NL), J.C. and
Voss (DK), P.

Guidelines (1990) for selection of safe laboratory centrifuges and for their safe use — with general purpose appendices concerning centrifuge nomenclature, quantities and units, and calculation of centrifugal acceleration (202) S23

Umiel, T., see Hendriks, D. (196) 87

V

Vaganay, E., see Gasnier, F. (199) 69
 Vainionpää, L., Risteli, L., Lanning, M., Myllylä, V. and Risteli, J.
 Aminoterminal propeptide of type III procollagen in cerebrospinal fluid. Variation with age and in childhood leukemia (203) 47
 Válek, J., see Pelikánová, T. (203) 329
 Valentino Coppa, G., see Falconi, G. (196) 153
 Välimäki, M., Alftan, G., Vuoristo, M. and Ylikahri, R.
 Effects of selenium supplementation on blood and urine selenium levels and liver function in patients with primary biliary cirrhosis (196) 7
 Valík, D., see Pospíšil, R. (200) 49
 Van den Berg, S., see Ellin, Å. (200) 59
 Van Berge Henegouwen, G.P., see Van Erpecum, K.J. (199) 295
 Van de Graaf, E.A., Jansen, H.M., Weber, J.A., Koolen, M.G.J. and Out, T.A.
 Influx of urea during bronchoalveolar lavage depends on the permeability of the respiratory membrane (196) 27
 Vandeleene, B., see Bernard, A. (201) 231
 Van der Laarse, A., see Zhao, S.P. (203) 109
 Van der Voet, G.B., see Slirkerveer, A. (201) 17
 Van Dijk, J.P., Van Noort, W.L., Kroos, M.J., Starreveld, J.S. and Van Eijk, H.G.
 Isotransferrins and pregnancy: a study in the guinea pig (203) 1
 Van Dongen, J.J.M. and Wolvers-Tettero, I.L.M.
 Analysis of immunoglobulin and T cell receptor genes. Part I: Basic and technical aspects (198) 1
 Van Dongen, J.J.M. and Wolvers-Tettero, I.L.M.
 Analysis of immunoglobulin and T cell receptor genes. Part II: Possibilities and limitations in the diagnosis and management of lymphoproliferative diseases and related disorders (198) 93
 Van Eijk, H.G., see Van Dijk, J.P. (203) 1
 Van Erpecum, K.J., Van Berge Henegouwen, G.P. and Stolk, M.F.J.
 Bile acid and phospholipid fatty acid composition in bile of patients with cholesterol and pigment gallstones (199) 295
 Van Heerden, R., see Forbes, J. (199) 279
 Vanhoof, G., see Hendriks, D. (196) 87
 Van Leeuwen, M., see Aerts, J.M.F.G. (203) 349
 Van Noort, W.L., see Van Dijk, J.P. (203) 1
 Van Roermund, C.W.T., see Wanders, R.J.A. (202) 123
 Van Sande, M., see Hendriks, D. (196) 87
 Van Schaik, M., see Perez, J.H. (197) 171
 Van Straalen, J.P., Sanders, E., Prummel, M.F. and Sanders, G.T.B.
 Bone-alkaline phosphatase as indicator of bone formation (201) 27
 van 't Hooft, F.M., see Zhao, S.P. (203) 109
 Van Weely, S., see Aerts, J.M.F.G. (203) 349
 Van Wersch, J.W.J., Westerhuis, L.W.J.J.M. and Venekamp, W.J.R.R.
 HbA_{1C} and serum fructosamine in diabetic patients: relationship to age, clotting and fibrinolysis parameters and urinary microalbumin excretion (201) 99
 Varga, S.I., see Novák, Z. (201) 247
 Varge, S.I., see László, A. (203) 413
 Varghese, M., see Hommes, F.A. (203) 211
 Vassy, R., see Prie, J. (204) 87
 Vatassery, G.T., Quach, H.T., Smith, W.E., Benson, B.A. and Eckfeldt, J.H.
 A sensitive assay of transthyretin (prealbumin) in human cerebrospinal fluid in nanogram amounts by ELISA (197) 19
 Végh, Z., Kremmer, T., Boldizsár, M., Gesztesi, K.A. and Szajáni, B.
 A re-evaluation of the lipid-bound sialic acid determination (203) 259
 Venekamp, W.J.R.R., see Van Wersch, J.W.J. (201) 99
 Vergnes, H., see Brisson-Lougarre, A. (203) 403
 Vertongen, F., see Peretz, A. (203) 35
 Vilde, J.-L., see Bourbouze, R. (199) 185
 Vilella, E., see Joven, J. (197) 67
 Viret, J., see Thomas, M.A. (200) 201
 Vollandt, R., see Müller, A. (197) 59
 Vollmer, R.T., see Christenson, R.H. (200) 23
 Vos, P.F., see Boer, P. (199) 195
 Voss (DK), P., see Uldall (DK), A. (202) S23
 Vranešić, B., Ljevaković, Đ., Tomašić, J. and Ladešić, B.
 A competitive radioimmunoassay for peptidoglycan monomer (202) 23
 Vuoristo, M., see Välimäki, M. (196) 7

W

Wada, Y., see Suzuki, T. (202) 111
 Wadman, S.K., see Ketting, D. (204) 79
 Wagner, G.S., see Christenson, R.H. (200) 23
 Wählä, K., see Adlercreutz, H. (199) 263
 Walker, D.L.C., see Mills, G.A. (204) 131
 Wallach, J.M., see Saulnier, J.M. (200) 129
 Walli, A.K., see Fieseler, H.-G. (204) 291
 Wan, S.-D., see Li, J.-Y. (200) 43
 Wanders, R.J.A., Casteels, M., Mannaerts, G.P.,
 Van Roermund, C.W.T., Schutgens, R.B.H.,
 Kozich, V., Zeman, J. and Hynek, J.
 Accumulation and impaired in vivo metabolism of di- and trihydroxycholestanic acid in two patients (202) 123
 Wang, J., Dudman, N.P.B., Lynch, J. and
 Wilcken, D.E.L.
 Betaine : homocysteine methyltransferase a new assay for the liver enzyme and its absence from human skin fibroblasts and peripheral blood lymphocytes (204) 239
 Wang, Z., see Ruo, T.I. (204) 217
 Wanzeller de Lacerda, L., see Aerts, J.M.F.G.
 (203) 349
 Ward, N.I., see Corrigan, F.M. (204) 301
 Wasa, M., see Yonekura, T. (199) 91
 Watkins, S., see Sakamoto, Ya. (204) 179
 Weber, J.A., see Van de Graaf, E.A. (196) 27
 Weber, T.H., see Tuuminen, T. (202) 167
 Webster, R.G., see Lambré, C.R. (198) 183
 Weiler, C., see Weiler, H. (199) 283
 Weiler, H., Moser, U., Weiler, C. and Gerok,
 W.
 Studies on the effects of aminopterin and methotrexate on the release of prostaglandin PGE₂, PGD₂, and PGI₂ from small intestine in the rat in vivo (199) 283
 Weinreb, R.N., Jeng, S. and Miller, A.L.
 Lysosomal enzyme activity in human aqueous humor (199) 1
 Weintraub, H., see Erlich, D. (201) 169
 Welin, M.-G.I., see Tuuminen, T. (202) 167
 Wendel, U., Koppelkamm, M. and Hummel, W.
 Enzymatic phenylalanine estimation for the management of patients with phenylketonuria (201) 95
 Wenger, D.A., see Louie, E. (199) 7
 Westerhuis, L.W.J.J.M., see Van Wersch, J.W.J.
 (201) 99
 West-Jordan, J.A., Martin, P.A., Abraham, R.J.,
 Edwards, R.H.T. and Jackson, M.J.
 Energy metabolism during damaging contractile activity in isolated skeletal muscle: a ³¹P-NMR study (203) 119
 Wetterberg, L., see Lilius, L. (197) 77
 Wheatley, M., see Howl, J. (200) 221
 White, M., see Donnelly, P.K. (202) 55
 Whittaker, M., Jones, J.W. and Braven, J.
 Immunological studies of plasma cholinesterase during pregnancy and the puerperium (199) 223
 Whittaker, M., see Jones, J.W. (200) 175
 Wieland, E., see Fieseler, H.-G. (204) 291
 Wilcken, D.E.L., see Wang, J. (204) 239
 Wilkinson, R., see Heseltine, D. (196) 41
 Williams, R., see Langley, P.G. (200) 211
 Wilson, J.W.L., see McLean, R.J.C. (200) 107
 Wilson, R., see Reglinski, J. (201) 45
 Winter, V., see Gregersen, N. (203) 23
 Winther, K., see Myrup, B. (204) 251
 Wisniewski, K.E., see Lin, Y.Y. (201) 145
 Wittman, T., see László, A. (203) 413
 Wolf, B., see Hart, P.S. (197) 257
 Wolver-Tettero, I.L.M., see Van Dongen,
 J.J.M. (198) 1
 Wolver-Tettero, I.L.M., see Van Dongen,
 J.J.M. (198) 93
 Wood, B., see Haines, A. (198) 261
 Woolf, A., see Sudlow, K. (203) 387

Y

Yadav, S.P.S., see Singh, J. (203) 375
 Yamada, H., see Igaki, N. (199) 113
 Yamaguchi, S., see Takahashi, Y. (203) 199
 Yamaguchi, T., see Abe, J. (203) 95
 Yamakita, N., see Adachi, K. (200) 13
 Yamamoto, K., see Katayama, M. (202) 179
 Yamamoto, T., see Shibuya, Y. (200) 119
 Yamanaka, H., see Sakuma, R. (203) 143
 Yamasaki, R., see Zhang, C.-y. (202) 243
 Yamauchi, T., see Kosaka, D. (199) 83
 Yanagida, M., see Okuyama, T. (196) 207
 Yang, Q. and Smeyers-Verbeke, J.
 Effectiveness of palladium matrix modification for the determination of thallium by graphite furnace atomic absorption spectrometry (204) 23
 Yaron, A., see Hendriks, D. (196) 87
 Yasuda, K., see Adachi, K. (200) 13
 Yazaki, M., see Suzuki, T. (202) 111
 Ylikahri, R., see Välimäki, M. (196) 7
 Yokota, I., see Kuroda, Y. (199) 17
 Yomoda, S., see Kawai, H. (202) 219
 Yonekura, T., Kamata, S., Wasa, M., Okada, A.,
 Kawata, S. and Tarui, S.
 Simultaneous analysis of plasma phenethylamine, phenylethanolamine, tyramine and octopamine in patients with hepatic encephalopathy (199) 91
 Yoshida, H., see Satoh, K. (202) 95
 Yoshida, H., Takamatsu, S., Satoh, K., Kawamura, Y., Imaizumi, T.-a., Teshiromori, R.-i.
 and Kawauchi, K.
 Quantitative analysis of human erythrocyte spectrin by sodium dodecyl sulfate-polyacrylamide gel electrophoresis using pancreatic trypsin inhibitor (Kunitz) as an internal standard (199) 99
 Yoshida, M., see Tamura, H. (200) 35

Z

Zacur, H.A., Linkins, S., Chang, V., Smith, B., Kimball, A.W. and Burkman, R.
Ethinyl estradiol and norethindrone radioimmunoassay following Sephadex LH-20 column chromatography (204) 209

Zatti, M., see Negri, M. (199) 305

Zeman, J., see Wanders, R.J.A. (202) 123

Zettlmeissl, H., see Kornhuber, M.E. (197) 189

Zhang, C.-y., Yamasaki, R., Mitsuhashi, S., Takahashi, H., Bando, H. and Saito, S.
Radioimmunoassay of growth hormone releasing hormone (GHRH) with a polyclonal antibody against synthetic GHRH(1-29)-Gly₄-Cys-NH₂: method and clinical studies (202) 243

Zhao, S.P., Hollaar, L., van 't Hooft, F.M., Smelt, A.H.M., Gevers Leuven, J.A. and Van der Laarse, A.
Effect of simvastatin on the apparent size of LDL particles in patients with type IIB hyperlipoproteinemia (203) 109

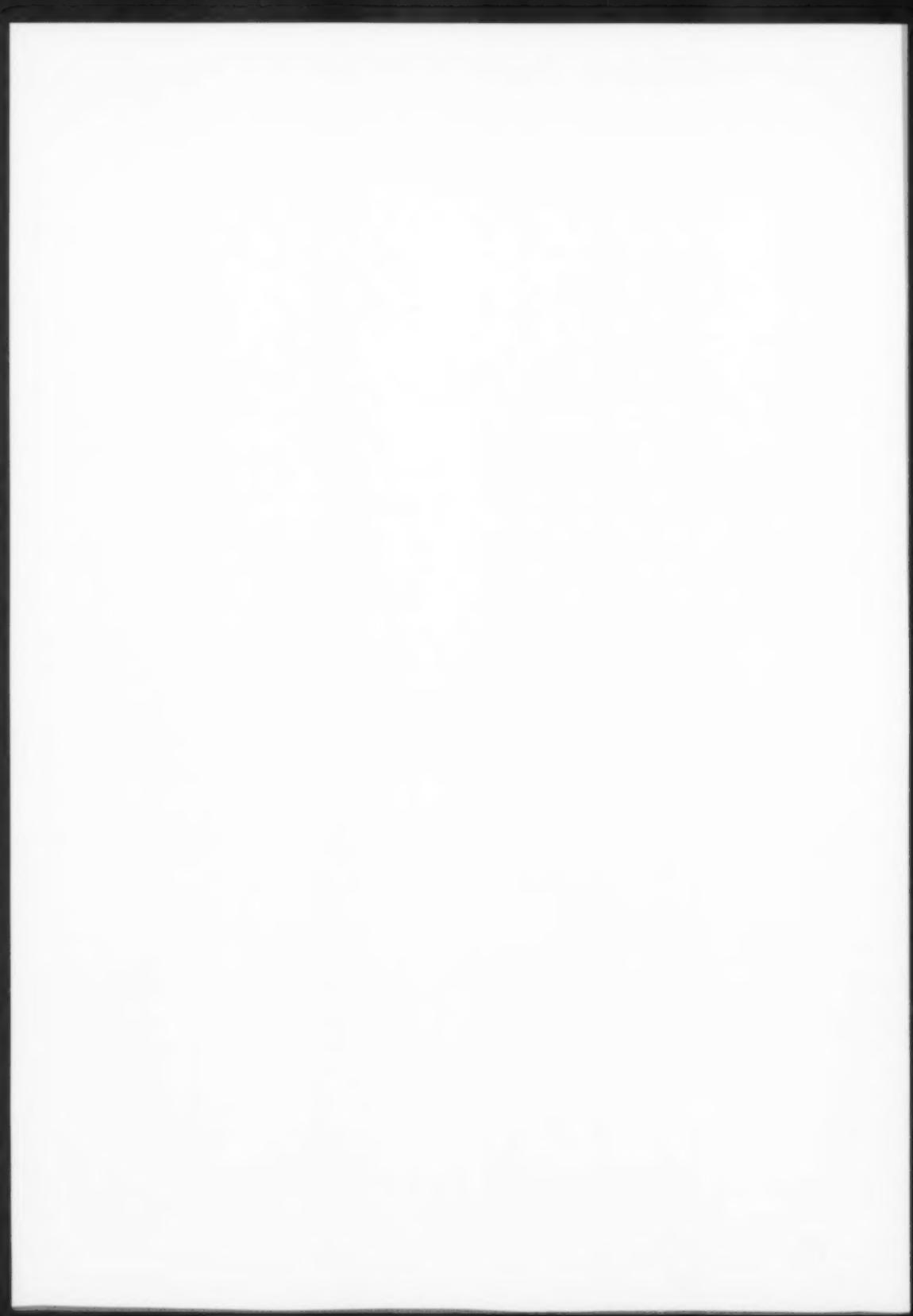
Zhao, Y.-H., see Li, J.-Y. (200) 43

Zhou, G.-P., see Li, J.-Y. (200) 43

Zhu, Y., Takashi, M., Miyake, K. and Kato, K.
Sensitive enzyme immunoassay for human 28 kDa calbindin-D (201) 183

Zimmerli, W., see Fassbender, K. (203) 315

Zuppi, C., see Montagna, M.P. (204) 123



SUBJECT INDEX



A

ABO blood groups

Alkaline phosphatase isozyme; Intestinal alkaline phosphatase; Secretor phenotype; Monoclonal antibody (Domar, U. (203) 305)

Acceptor specificity

Sialyltransferase; Human plasma; Fluorometric assay; CMP-9-fluoresceinyl-NeuAc (Gross, H.J. (197) 237)

Accuracy

Bilirubin; Biliprotein; Azopigments; Gel-chromatography; Total bilirubin (Franzini, C. (203) 339)

Acetylcholinesterase

Enzyme-linked antiglobulin test; Enzyme linked immunosorbent assay (Jones, J.W. (200) 175)

Butyrylcholinesterase; Amniotic fluid; Choline; Enzyme electrode (Morelis, R.M. (203) 295)

β -N-Acetylglucosaminidase

Lysosomal enzymes; β -Glucuronidase; Arylsulfatase; Saphen (Hayer, M. (203) 343)

β -N-Acetylhexosaminidase

Automated procedure; Human cerebrospinal fluid; Human serum; Multiple sclerosis (Datti, A. (200) 73)

α 1-Acid glycoprotein

Elderly; Microheterogeneity; Crossed affino-immunolectrophoresis (Kawerk, N. (202) 65)

Glycan; Pregnancy (Biou, D. (204) 1)

Glycosylation; Acute bacterial infection; Chronic bacterial infection (Fassbender, K. (203) 315)

Orosomucoid; Microheterogeneity; Human fetus; Concanavalin A (Seta, N. (203) 167)

Variants; Acute-phase; Synthesis (Eap, C.B. (203) 379)

Acid hydrolases

Hexosaminidase A; Enzyme; Lysosome; Tay-Sachs disease; Genetic diseases (Den Tandt, W.R. (199) 231)

Activation energy

Creatine kinase; Bacteremia; Infective endocarditis (De Scheerder, I.K. (197) 115)

Acute bacterial infection

α_1 -Acid glycoprotein; Glycosylation; Chronic bacterial infection (Fassbender, K. (203) 315)

Acute intermittent porphyria

ELISA; Erythrocyte; Lymphocyte; Porphobilinogen deaminase (Lilius, L. (197) 77)

Acute lymphoblastic leukemia

Arachnoid; Corticosteroids; Fibroproliferative response; Intraspinal injections; Methotrexate (Vainionpää, L. (203) 47)

Acute organ system failure

Ceruloplasmin activity; Lactate (Dauberschmidt, R. (199) 167)

Acute pancreatitis

Enzyme-linked immunosorbent assay; Pro-colipase activation peptide; Satiety (Bowyer, R.C. (200) 137)

Phospholipase A₂; Albumin; Serum (Langton, S.R. (203) 249)

Acute-phase

α_1 -Acid glycoprotein; Variants; Synthesis (Eap, C.B. (203) 379)

Acute-phase response

Hypercholesterolemia; HMG-CoA reductase inhibitor; Pravastatin; Lp (a); Coronary heart disease (CHD) (Fieseler, H.-G. (204) 291)

[1-¹⁴C]Acyl-sphingosine-galactose-3-sulfate

Radioactive sulfatides; Cerebroside sulfate sulfatase; Radioscanning; Metachromatic leukodystrophy (Masson, M. (201) 157)

Adenosine-deaminase-binding protein

Proteinuria; Renal tubular function; Renal tubular disorders (Flynn, F.V. (200) 183)

Affinity chromatography

Alkaline phosphatase; Bone disease; Liver disease; Reference interval; Immunoassay (Gonchoroff, D.G. (199) 43)

Amniotic fluid; Immunoelectrophoresis; Pregnancy proteins (Sørensen, S. (202) 199)

Agarose gel

Electrophoresis; Glucose-6-phosphate dehydrogenase (Forbes, J. (199) 279)

Age

Asthma; α_2 -Macroglobulin; Elastase (Kilroe-Smith, T.A. (202) 47)

Obesity; Body fat distribution; Serum lipoprotein (Sønnichsen, A.C. (202) 133)

Age and sex dependence

Serum catalase; Hydrogen peroxide and ammonium molybdate, complex of; Reference interval (Góth, L. (196) 143)

Age- and sex-related differences

Apolipoprotein; Turbidimetric immunoassay; Reference values; Japanese subjects (Noma, A. (199) 147)

Aging

Erythrocyte; Potassium; Sodium; Sodium transport (Heseltine, D. (196) 41)

AIDS

Human immunodeficiency virus; β -Glucuronidase (Saha, A.K. (199) 311)

Albumin

High-performance liquid chromatography (HPLC); Bilirubin distribution; β -Lipoprotein (Šoltés, L. (201) 35)

Phospholipase A₂; Serum; Acute pancreatitis (Langton, S.R. (203) 249)

Albumin Dublin

Bisalbuminemia; Alloalbuminemia; Albumins IRE1 and IRE2; Point mutations; Albumin genetic variants (Sakamoto, Ya. (204) 179)

Albumin genetic variants

Bisalbuminemia; Alloalbuminemia; Albumins IRE1 and IRE2; Albumin Dublin; Point mutations (Sakamoto, Ya. (204) 179)

Albumins IRE1 and IRE2

Bisalbuminemia; Alloalbuminemia; Albumin Dublin; Point mutations; Albumin genetic variants (Sakamoto, Ya. (204) 179)

Alcohol

δ -Aminolevulinic acid dehydratase; Enzyme inhibitor; Enzyme reactivator; δ -Aminolevulinic acid; Coproporphyrin (Sieg, I. (202) 211)

Aldehydes

Organic acids analysis; Oxoacids; Ketones (Hoffmann, G.F. (199) 237)

Alдолase

Erythrocyte; Band 3 protein; Hemoglobin (Retelewska, W. (198) 255)

Alkaline phosphatase

Bone disease; Liver disease; Reference interval; Affinity chromatography; Immunoassay (Gonchoroff, D.G. (199) 43)

Polyacrylamide gel; Serum (Ramasamy, I. (199) 243)

Heritable disorder; Genetics; Phosphate; Phosphoethanolamine (Macfarlane, J.D. (202) 141)

Hydroxyproline; Isoenzyme; Sickle cell disease; Saudi Arabia (Mohammed, S.M. (203) 285)

Alkaline phosphatase isozyme

Intestinal alkaline phosphatase; ABO blood groups; Secretor phenotype; Monoclonal antibody (Domar, U. (203) 305)

Allele specific oligonucleotide

Purine metabolism; Dot-blot hybridization; Germline mutation; Urolithiasis; Avidin-biotin; Chemiluminescence (Kawaguchi, R. (203) 183)

Alloalbuminemia

Bisalbuminemia; Albumins IRE1 and IRE2; Alloalbumin Dublin; Point mutations; Albumin genetic variants (Sakamoto, Ya. (204) 179)

Aluminum

Alzheimer's disease; Zinc; Lipid peroxidation; Vitamin E (Haines, A. (198) 261)

Alzheimer's disease

Aluminum; Zinc; Lipid peroxidation; Vitamin E
(Haines, A. (198) 261)

Amino acids

Chiral gas chromatography; Short bowel syndrome (Ketting, D. (204) 79)

Aminoacid stability

Human blood serum; Ultrafiltration; Storage; pH; Temperature (Kornhuber, M.E. (197) 189)

gamma-Aminobutyric acid

Reference values; Cerebrospinal fluid; Childhood; Ion-exchange chromatography; Fluorescence detection (Carchon, H.A. (201) 83)

m-Aminophenyl boronate affinity chromatography

Glycated albumin; Glycated protein; Urine protein (Silver, A.C. (202) 11)

 δ -Aminolevulinic acid

δ -Aminolevulinic acid dehydratase; Alcohol; Enzyme inhibitor; Enzyme reactivator; Coproporphyrin (Siegl, I. (202) 211)

 δ -Aminolevulinic acid dehydratase

Alcohol; Enzyme inhibitor; Enzyme reactivator; δ -Aminolevulinic acid; Coproporphyrin (Siegl, I. (202) 211)

Aminopeptidase

Human kidney (Mantle, D. (196) 135)

Protease; Peptidase; Muscle (Mantle, D. (197) 35)

Aminopeptidase A

Serum (Okuyama, T. (196) 207)

Aminopeptidase P

Dipeptidyl peptidase IV; Leukocyte; Lymphocyte; Phytohemagglutinin stimulation (Hendriks, D. (196) 87)

Aminopterin

Methotrexate; Diarrhea; Small intestine; Prostaglandin; Rat (Weiler, H. (199) 283)

Ammonia assay

Ornithine carbamyl transferase; Liver mitochondria; Glutamate dehydrogenase; Mitochondrial aspartate aminotransferase (Peltenburg, H.G. (203) 395)

Amniotic fluid

Affinity chromatography; Immunoelectrophoresis; Pregnancy proteins (Sørensen, S. (202) 199)

Acetylcholinesterase; Butyrylcholinesterase; Choline; Enzyme electrode (Morelis, R.M. (203) 295)

 α -Amylase

3-Ketobutyldene β -2-chloro-4-nitrophenylmaltopentaoside (Teshima, S. (199) 23)

Amyloid

beta-2-Microglobulin; Dementia; Dialysis (Annunziata, P. (201) 139)

Amyloidosis

Serum amyloid P component; Renal failure; Hemodialysis; Continuous ambulatory peritoneal dialysis (Nelson, S.R. (200) 191)

Anesthesia

F-protein; Hepatitis; Liver; Halothane; Isoflurane (Cooper, C.M. (202) 73)

Analgesic

Polypropenoid; Exercise; Sauna (Roine, R. (204) 13)

Angiotensin

Diuretics; Kidney; Renin; Sodium; Urine (Boer, P. (199) 195)

b-ANP

In vitro stability; Aprotinin; Phosphoramidon (Artner-Dworzak, E. (203) 235)

Anti-acetylcholine receptor antibody

Anti-skeletal muscle antibody; *Myasthenia gravis*; Thymoma (Ohta, M. (201) 201)

Antibody

Celiac disease; Cellular immunity; Gluten; Gliadin; Wheat (Penttilä, I.A. (204) 95)

Celiac disease; Cellular immunity; Wheat; Cereals; Maize (Skerritt, J.H. (204) 109)

Molecular mimicry; Rheumatoid arthritis; BSA (Pérez-Maceda, B. (203) 153)

Anticoagulants

Plasma; Heparin; Free fatty acids (McGann, A.M. (197) 265)

Antioxidant enzymes

Asthma bronchiale; Red blood cells; Oxidative sensitivity; Lipid peroxidation (Novák, Z. (201) 247)

Antioxidative enzymes

Unstable hemoglobin; Free radicals; Peroxidation; Membrane fluidity; Splenectomy (Falcioni, G. (196) 153)

Erythrocyte; Down's syndrome; Proteolysis (Bartosz, G. (198) 239)

Anti-skeletal muscle antibody

Myasthenia gravis; Thymoma; Anti-acetylcholine receptor antibody (Ohta, M. (201) 201)

 α_1 -Antitrypsin

Elastase; Fulminant hepatic failure; Infection (Langley, P.G. (200) 211)

Apo A1

Apo B; Immunoturbidimetry; Rate nephelometry (Glueck, C.J. (197) 121)

Apo B

Apo A1; Immunoturbidimetry; Rate nephelometry (Glueck, C.J. (197) 121)

Apoenzyme

Erythrocyte; Transketolase; Thiamine diphosphate; Thiamine (Price, J. (202) 39)

Apolipoprotein A

Lecithin : cholesterol-acyltransferase; Glycation (Gugliucci, A. (204) 37)

Apolipoprotein B

DNA polymorphism; Coronary heart disease (Mendis, S. (196) 107)

Enzyme linked immunosorbent assay; Apolipoprotein E; Cerebrospinal fluid; Neurological diseases (Carlsson, J. (196) 167)

Apolipoprotein E

Genotype /phenotype; Diabetes mellitus (Snowden, C. (196) 49)

Enzyme linked immunosorbent assay; Apolipoprotein B; Cerebrospinal fluid; Neurological diseases (Carlsson, J. (196) 167)

Postmortem change; Storage; Isoelectric focusing; Immunoblotting (Lehtimäki, T. (203) 177)

Apolipoprotein

Turbidimetric immunoassay; Reference values; Age- and sex-related differences; Japanese subjects (Noma, A. (199) 147)

Apoprotein

Very low density lipoprotein; Lipoprotein lipase; Fatty acid (Saheki, S. (204) 155)

Aprotinin

h-ANP; In vitro stability; Phosphoramidon (Artner-Dworzak, E. (203) 235)

Aqueous humor

Glaucoma; Lysosomal enzymes; Cataracts (Weinreb, R.N. (199) 1)

Arachidonic acid

Cholesterol gallstones; Deoxycholic acid; Pigment gallstones (Van Erpecum, K.J. (199) 295)

Diabetes mellitus; Diabetic retinopathy; Eicosapentaenoic acid; Non-esterified fatty acid; Platelet aggregation (Myrup, B. (204) 251)

Arachnoid

Acute lymphoblastic leukemia; Corticosteroids; Fibroproliferative response; Intraspinal injections; Methotrexate (Vainionpää, L. (203) 47)

Aryl-sulfatase

Lysosomal enzymes; β -N-Acetylglucosaminidase; β -Glucuronidase; Saphen (Hayer, M. (203) 343)

Arylsulfatase A

Metachromatic leukodystrophy; Gaucher disease; Tay-Sachs disease; Polymerase chain reaction; Pseudodeficiency; Lysosomal disorders (Louie, E. (199) 7)

Cerebroside sulfatase; Arylsulfatase B; Metachromatic leukodystrophy; Mucopolysaccharidosis type VI (Maroteaux-Lamy syndrome); Multiple sulfatase deficiency; Lymphoid cell lines (Tempesta, M.-C. (202) 149)

Radioimmunoassay; Serum concentration; Cancer (Laidler, P. (204) 69)

Arylsulfatase B

Arylsulfatase A; Cerebroside sulfatase; Metachromatic leukodystrophy; Mucopolysaccharidosis type VI (Maroteaux-Lamy syndrome); Multiple sulfatase deficiency; Lymphoid cell lines (Tempesta, M.-C. (202) 149)

Aspartoacylase

Canavan's disease; Leukodystrophy; Spongy degeneration of brain (Barash, V. (201) 175)

Asthma bronchiale

Red blood cells; Oxidative sensitivity; Antioxidant enzymes; Lipid peroxidation (Novák, Z. (201) 247)

Asthma

Age; α_2 -Macroglobulin; Elastase (Kilroe-Smith, T.A. (202) 47)

Asymptomatic Gaucher disease

Urinary glucocerebrosidase; Gaucher disease; Carrier detection; Lysosomal storage disorder; β -Glucuronidase; Glycosphingolipidosis (Aerts, J.M.F.G. (203) 349)

Atherogenic risk factor

Cerebrotendinous xanthomatosis; Serum lipid; Lipoprotein; Coronary artery disease; Atherosclerosis (Fujiyama, J. (200) 1)

Atherosclerosis

Cerebrotendinous xanthomatosis; Atherogenic risk factor; Serum lipid; Lipoprotein; Coronary artery disease (Fujiyama, J. (200) 1)

Atherosclerotic

Human aortic elastin; Lipid; Cation; Elastolysis (Saulnier, J.M. (200) 129)

Atomic absorption spectrometry

Iron; Serum; Deproteinization (De Benzo, Z.A. (197) 139)

Atrial natriuretic peptide

Cyclic guanosine monophosphate; Chronic obstructive pulmonary disease (Rota, M. (201) 75)

Automated procedure

β -N-Acetylhexosaminidase; Human cerebrospinal fluid; Human serum; Multiple sclerosis (Datti, A. (200) 73)

Autoxidation of L-3,4-dihydroxyphenylalanine to carbon monoxide

Head-space gas chromatography; Oxidant/antioxidant properties of drugs (Cooper, M.J. (202) 105)

Avidin-biotin

Purine metabolism; Allele specific oligonucleotide; Dot-blot hybridization; Germline mutation; Urolithiasis; Chemiluminescence (Kawaguchi, R. (203) 183)

Azopigments

Bilirubin; Biliprotein; Gel-chromatography; Total bilirubin; Accuracy (Franzini, C. (203) 339)

B

Bacteremia

Creatine kinase; Activation energy; Infective endocarditis (De Scheerder, I.K. (197) 115)

Bacterium BN11

Creatinine deiminase; Serum; Urine (Gottschalk, E.M. (204) 223)

Band 3 protein

Erythrocyte; Hemoglobin; Aldolase (Retelewski, W. (198) 255)

Beclomethasone

Bone alkaline phosphatase; Corticosteroid; Cyclosporin (Van Straalen, J.P. (201) 27)

Benign clonal proliferations

Immunoglobulin genes; T cell receptor genes; Gene rearrangement; Southern blot analysis; Lymphoid differentiation; Leukemias; Malignant lymphomas; Clonality; Oligoclonality; Clonal progression; Lineage infidelity; Immunodeficiency; Richter's syndrome; Minimal residual disease (Van Dongen, J.J.M. (198) 93)

Betaine

Betaine: homocysteine methyltransferase; Lymphocyte; Fibroblast; Homocysteine; Vascular disease (Wang, J. (204) 239)

Betaine: homocysteine methyltransferase

Lymphocyte; Fibroblast; Betaine; Homocysteine; Vascular disease (Wang, J. (204) 239)

Bile acid biosynthesis

Cholesterol 7 α -hydroxylase; Lipid transfer protein; nonspecific; Gallstone (Kawata, S. (197) 201)

Bile acids

Peroxisomal disorder; Inborn error; Zellweger syndrome; Peroxisome; Peroxisomal β -oxidation (Wanders, R.J.A. (202) 123)

Stable isotope labeling; Glycosylation (Matern, S. (203) 77)

Biliprotein

Bilirubin; Azopigments; Gel-chromatography; Total bilirubin; Accuracy (Franzini, C. (203) 339)

Bilirubin

Biliprotein; Azopigments; Gel-chromatography; Total bilirubin; Accuracy (Franzini, C. (203) 339)

Bilirubin distribution

High-performance liquid chromatography (HPLC); Albumin; β -Lipoprotein (Soltés, L. (201) 35)

Biogenic amine

Phenethylamine; Hepatic encephalopathy; Liver cirrhosis; Liver disease (Yonekura, T. (199) 91)

Biological fluids

Fluorescence assay; Fludarabine (Kemena, A. (200) 95)

Biological sample

Urobilinogen (urobilin) determination; Zinc complex (Kotal, P. (202) 1)

Bioluminescence enzymatic analysis

Serum bile acid; Fluorescence enzymatic analysis; Gas chromatography-mass spectrometry (Rossi, S.S. (200) 63)

Biotinidase

Isozyme; Isoform; Serum protein; Immunoblotting (Hart, P.S. (197) 257)

Biotin

Immunochemical assay (Thuy, L.P. (202) 191)

Bisalbuminemia

Alloalbuminemia; Albumins IRE1 and IRE2; Albumin Dublin; Point mutations; Albumin genetic variants (Sakamoto, Ya. (204) 179)

Bismuth in blood and serum

Platinum; EAAS; Matrix modification; Storage (Slikkerveer, A. (201) 17)

Blood

Electrophoresis; Ethanol; Fucose; Haptoglobin; Lectin; Tobacco (Thompson, S. (201) 59)

Blood cells

Histiocytosis X; Monocyte; Lymphocyte; LDH; MDH (Perlino, E. (200) 153)

Blood glycolic acid

Glycolic acid; Glyoxylic acid; Primary hyperoxaluria; Oxalosis; Chronic renal failure (Petraruolo, M. (196) 17)

Blood sample

Glyoxylase (McLellan, A.C. (204) 137)

Blood serum

Flow injection analysis; 8-Port injection valve; Glucose (Araujo, A.N. (203) 67)

Boc-tyrosyl-peptidoglycan monomer

Radioimmunoassay; Peptidoglycan monomer (Vranešić, B. (202) 23)

Body fat distribution

Obesity; Serum lipoprotein; Age (Sönnichsen, A.C. (202) 133)

Bone alkaline phosphatase

Corticosteroid; Cyclosporin; Beclomethasone (Van Straalen, J.P. (201) 27)

Bone disease

Alkaline phosphatase; Liver disease; Reference interval; Affinity chromatography; Immunoassay (Gonchoroff, D.G. (199) 43)

Bone marrow transplantation

Lactoferrin; Plasma lactoferrin; Enzyme immunoassay (Suzuki, T. (202) 111)

Brain natriuretic peptide

Congestive heart failure; Human spinal cord (Togashi, K. (201) 193)

Breast cancer

Tumor marker; Carcinoma associated mucin antigens; CA15-3; CEA (Dnistrian, A.M. (200) 81)

Bromine

VLDL-C; Triglycerides (Corrigan, F.M. (204) 301)

Bronchial asthma

Bronchoalveolar lavage; Epithelial lining fluid; Respiratory membrane permeability; Sarcoidosis; Pneumocystis carinii pneumonitis (Van de Graaf, E.A. (196) 27)

Bronchoalveolar lavage

Epithelial lining fluid; Respiratory membrane permeability; Sarcoidosis; Bronchial asthma; Pneumocystis carinii pneumonitis (Van de Graaf, E.A. (196) 27)

BSA

Molecular mimicry; Rheumatoid arthritis; Antibody (Pérez-Maceda, B. (203) 153)

Butyrylcholinesterase

Acetylcholinesterase; Amniotic fluid; Choline; Enzyme electrode (Morelis, R.M. (203) 295)

C

CA15-3

Breast cancer; Tumor marker; Carcinoma associated mucin antigens; CEA (Dnistrian, A.M. (200) 81)

Calcium

Skeletal muscle; Damage; Cytosolic protein (Jackson, M.J. (197) 1)

Ion selective electrode; Saliva (Lagerlöf, F. (198) 175)

Calcium binding protein

Vitamin D-dependent; Immunoassay (Zhu, Y. (201) 183)

Calcium oxalate nephrolithiasis

Protein-bound Gla urinary content; Nephrocalcin; Calcium stone formation inhibitors (Colette, C. (204) 43)

Calcium oxalates

Calculi; Raman (Sudlow, K. (203) 387)

Calcium stone formation inhibitors

Protein-bound Gla urinary content; Calcium oxalate nephrolithiasis; Nephrocalcin (Colette, C. (204) 43)

Calculi

Raman; Calcium oxalates (Sudlow, K. (203) 387)

Canavan's disease

Aspartoacylase; Leukodystrophy; Spongy degeneration of brain (Barash, V. (201) 175)

Cancer

Arylsulfatase A; Radioimmunoassay; Serum concentration (Laidler, P. (204) 69)

Carcinoma associated mucin antigens

Breast cancer; Tumor marker; CA15-3; CEA (Dnistrian, A.M. (200) 81)

Carnitine

Sudden infant death syndrome; Medium chain acylCoA dehydrogenase deficiency; Neonatal screening (Barns, R.J. (197) 27)

Isovaleric acidemia; Prenatal diagnosis; Tandem mass spectrometry (Shigematsu, Y. (203) 369)

Inherited metabolic disorder; Organic aciduria; Propionic acidaemia; Methylmalonic aciduria; NMR spectroscopy (Davies, S.E.C. (204) 263)

Carrier detection

Mevalonic aciduria; Cholesterol biosynthesis; Prenatal diagnosis; Stable isotope dilution assay (Hoffmann, G.F. (198) 209)

Urinary glucocerebrosidase; Gaucher disease; Asymptomatic Gaucher disease; Lysosomal storage disorder; β -Glucuronidase; Glycosphingolipidosis (Aerts, J.M.F.G. (203) 349)

Carrington's disease

Eosinophil-derived basic proteins; Urine; Ribonuclease activity (Deviller, P. (201) 105)

Castleman disease

Hypogalactosylation; IgG; Oligosaccharide; Interleukin 6 (Nakao, H. (197) 221)

Cataracts

Aqueous humor; Glaucoma; Lysosomal enzymes (Weinreb, R.N. (199) 1)

Cation

Human aortic elastin; Atherosclerotic; Lipid; Elastolysis (Saulnier, J.M. (200) 129)

 ^{14}C -breath test

$^{14}\text{CO}_2$; $^{14}\text{CO}_2$ collection system (Peled, Y. (202) 83)

CEA

Breast cancer; Tumor marker; Carcinoma associated mucin antigens; CA15-3 (Dnistrian, A.M. (200) 81)

Celiac disease

Cellular immunity; Antibody; Gluten; Gliadin; Wheat (Penttila, I.A. (204) 95)

Cellular immunity; Antibody; Wheat; Cereals; Maize (Skerritt, J.H. (204) 109)

Celite

Norethindrone; Ethinyl estradiol; Radioimmunoassay; Sephadex LH-20; Chromatography (Zacur, H.A. (204) 209)

Cell adhesion peptide

Platelet aggregation; Fibronectin; Diabetic retinopathy; Glaucoma; Retinal vein occlusion (Babizhayev, M.A. (196) 77)

Cellular immunity

Celiac disease; Antibody; Gluten; Gliadin; Wheat (Penitila, I.A. (204) 95)

Celiac disease; Antibody; Wheat; Cereals; Maize (Skerritt, J.H. (204) 109)

Cereals

Celiac disease; Cellular immunity; Antibody; Wheat; Maize (Skerritt, J.H. (204) 109)

Cerebroside sulfatase

Arylsulfatase A; Arylsulfatase B; Metachromatic leukodystrophy; Mucopolysaccharidosis type VI (Maroteaux-Lamy syndrome); Multiple sulfatase deficiency; Lymphoid cell lines (Tempsta, M.-C. (202) 149)

Cerebroside sulfate sulfatase

[1-¹⁴C]Acyl-sphingosine-galactose-3-sulfate; Radioactive sulfatides; Radioscanning; Metachromatic leukodystrophy (Masson, M. (201) 157)

Cerebrospinal fluid

Enzyme linked immunosorbent assay; Apolipoprotein E; Apolipoprotein B; Neurological diseases (Carlsson, J. (196) 167)

Transthyretin; Prealbumin; ELISA (Vatassery, G.T. (197) 19)

Gangliosides; Sulfatide; Immunoaffinity; Cholera toxin; Monoclonal antibody (Davidsson, P. (197) 103)

gamma-Aminobutyric acid; Reference values; Childhood; Ion-exchange chromatography; Fluorescence detection (Carchon, H.A. (201) 83)

Cerebrotendinous xanthomatosis

(Kosaka, D. (199) 83)

Atherogenic risk factor; Serum lipid; Lipoprotein; Coronary artery disease; Atherosclerosis (Fujiyama, J. (200) 1)

Ceruloplasmin activity

Lactate; Acute organ system failure (Dauberschmidt, R. (199) 167)

^A γ ^T-chain

IEF; Hb F Sardinia; β -thalassemia; HPFH (Masala, B. (198) 195)

Chemiluminescence

Purine metabolism; Allele specific oligonucleotide; Dot-blot hybridization; Germline mutation; Urolithiasis; Avidin-biotin (Kawaguchi, R. (203) 183)

Childhood

gamma-Aminobutyric acid; Reference values; Cerebrospinal fluid; Ion-exchange chromatography; Fluorescence detection (Carchon, H.A. (201) 83)

Children

Lactase; Jejunal fluid; Tissue source (Quak, S.H. (204) 145)

Chiral gas chromatography

Amino acids; Short bowel syndrome (Ketting, D. (204) 79)

Cholecystokinin

Pancreatitis (Springer, C.J. (198) 245)

Cholera toxin

Cerebrospinal fluid; Gangliosides; Sulfatide; Immunoaffinity; Monoclonal antibody (Davidsson, P. (197) 103)

Cholesterol

Platelet activating factor (PAF); PAF acetylhydrolase; Low density lipoprotein; High density lipoprotein (Satoh, K. (202) 95)

Cholesterol 7 α -hydroxylase

Lipid transfer protein, nonspecific; Gallstone; Bile acid biosynthesis (Kawata, S. (197) 201)

Cholesterol biosynthesis

Mevalonic aciduria; Prenatal diagnosis; Carrier detection; Stable isotope dilution assay (Hoffmann, G.F. (198) 209)

Cholesterol gallstones

Arachidonic acid; Deoxycholic acid; Pigment gallstones (Van Erpecum, K.J. (199) 295)

Cholesteryl ester

Simvastatin; Lipoprotein metabolism; Compartmental analysis; Modelling (human) (Magot, T. (196) 59)

Cholic acid

Deoxycholic acid (Fischer, S. (203) 269)

Choline

Acetylcholinesterase; Butyrylcholinesterase; Amniotic fluid; Enzyme electrode (Morelis, R.M. (203) 295)

Chromatography

Norethindrone; Ethinyl estradiol; Radioimmunoassay; Sephadex LH-20; Celite (Zacur, H.A. (204) 209)

Chromogenic substrate

Whole blood; Endotoxin; β -D-Glucan; Limulus test; Gram-negative bacterial sepsis (Tamura, H. (200) 35)

Chronic bacterial infection

α_1 -Acid glycoprotein; Glycosylation; Acute bacterial infection (Fassbender, K. (203) 315)

Chronic liver diseases

Hepatic fibrosis; Procollagen III; Collagen peptidase (Müller, A. (197) 59)

Chronic obstructive pulmonary disease

Atrial natriuretic peptide; Cyclic guanosine monophosphate (Rota, M. (201) 75)

Chronic renal failure

Glycolic acid; Glyoxylic acid; Blood glycolic acid; Primary hyperoxaluria; Oxalosis (Petrarulo, M. (196) 17)

Cigarette smoking

Thiocyanate:creatinine ratio; Urine (Prje, J. (204) 87)

Cigarettes low-yield

Urine; Cotinine; HPLC; Colorimetric assay; Smoking (Kolonen, S.A. (196) 159)

Cirrhosis

Serum arylesterase; Monoclonal antibody; ELISA (Kawai, H. (202) 219)

Clinical analysis

Erythrocyte; Rheumatoid arthritis; Graves' Disease; Glutathione (Reglinski, J. (201) 45)

Clonal progression

Immunoglobulin genes; T cell receptor genes; Gene rearrangement; Southern blot analysis; Lymphoid differentiation; Leukemias; Malignant lymphomas; Clonality; Oligoclonality; Lineage infidelity; Immunodeficiency; Benign clonal proliferations; Richter's syndrome; Minimal residual disease (Van Dongen, J.J.M. (198) 93)

Clonal proliferation

Immunoglobulin genes; T cell receptor genes; Gene rearrangement; Receptor diversity; Southern blot analysis; Clonality; DNA extraction; Restriction enzymes; Restriction maps; DNA probes; IgH genes; Ig κ genes; Ig λ genes; TcR- β genes; TcR- γ genes; TcR- δ genes; Genetic polymorphism; Detection limit (Van Dongen, J.J.M. (198) 1)

Clonality

Immunoglobulin genes; T cell receptor genes; Gene rearrangement; Receptor diversity; Southern blot analysis; Clonal proliferation; DNA extraction; Restriction enzymes; Restriction maps; DNA probes; IgH genes; Ig κ genes; Ig λ genes; TcR- β genes; TcR- γ genes; TcR- δ genes; Genetic polymorphism; Detection limit (Van Dongen, J.J.M. (198) 1)

Immunoglobulin genes; T cell receptor genes; Gene rearrangement; Southern blot analysis; Lymphoid differentiation; Leukemias; Malignant lymphomas; Oligoclonality; Clonal progression; Lineage infidelity; Immunodeficiency; Benign clonal proliferations; Richter's syndrome; Minimal residual disease (Van Dongen, J.J.M. (198) 93)

Clostridia

Sialidase (Neuraminidase); Sialidase antibodies; Myonecrosis, Diagnosis; ELISA; Patients (Roggentin, P. (196) 97)

CMP-9-fluoresceinyl-NeuAc

Sialyltransferase; Human plasma; Fluorometric assay; Acceptor specificity (Gross, H.J. (197) 237)

$^{14}\text{CO}_2$
 ^{14}C -breath test; $^{14}\text{CO}_2$ collection system (Peled, Y. (202) 83)

Coagulation
Glycometabolic control; Fibrinolysis (Van Werven, J.W.J. (201) 99)

$^{14}\text{CO}_2$ collection system
 ^{14}C -breath test; $^{14}\text{CO}_2$ (Peled, Y. (202) 83)

Collagen peptidase
Hepatic fibrosis; Chronic liver diseases; Procollagen III (Müller, A. (197) 59)

Collagenase
Type III collagen; Collagenolytic enzyme; Fibril assay; Lung cancer (Kawamura, M. (203) 225)

Collagenolytic enzyme
Type III collagen; Collagenase; Fibril assay; Lung cancer (Kawamura, M. (203) 225)

Colon
Hydrogen sulphide; Sulphate reduction; Human feces; Sulphidogenesis; Methanogenesis (Florin, T.H.J. (196) 127)

Feces; Glycoconjugate; Glycoprotein; Mucin; Mucus (Clamp, J.R. (203) 243)

Colorimetric assay
Urine; Cotinine; HPLC; Smoking; Cigarettes low-yield (Kolonen, S.A. (196) 159)

Compartmental analysis
Cholesteryl ester; Simvastatin; Lipoprotein metabolism; Modelling; (human) (Magot, T. (196) 59)

Computer-fitting
Isoenzyme; Myocardial infarction; Human; Creatine kinase; Subform (Christenson, R.H. (200) 23)

Concanavalin A
 α_1 -Acid glycoprotein; Orosomucoid; Microheterogeneity; Human fetus (Seta, N. (203) 167)

Congenital hypothyroidism
Neonatal screening; Fluorometric enzyme immunoassay (Tuuminen, T. (202) 167)

Congestive heart failure
Brain natriuretic peptide; Human spinal cord (Togashi, K. (201) 193)

Continuous ambulatory peritoneal dialysis
Serum amyloid P component; Amyloidosis; Renal failure; Hemodialysis (Nelson, S.R. (200) 191)

Contractile activity
Creatine kinase release; Skeletal muscle; Rat (West-Jordan, J.A. (203) 119)

Coproporphyrin
 δ -aminolevulinic acid dehydratase; Alcohol; Enzyme inhibitor; Enzyme reactivator; δ -Aminolevulinic acid (Sieg, I. (202) 211)

Coronary artery disease
Cerebrotendinous xanthomatosis; Atherogenic risk factor; Serum lipid; Lipoprotein; Atherosclerosis (Fujiyama, J. (200) 1)

Coronary heart disease
Apolipoprotein B; DNA polymorphism (Mendis, S. (196) 107)

Hypercholesterolemia; Low density lipoprotein; Receptor (Joven, J. (197) 67)

Hypothyroidism; Subclinical hypothyroidism; Hyperlipoproteinemia; Thyroid-stimulating hormone (Glueck, C.J. (201) 113)

Lipid profiles; Low density lipoprotein cholesterol (LDLC); High density lipoprotein cholesterol (HDLC); Lipid Research Clinics (LRC) cholesterol; Standardization program (Mace, R. (204) 189)

Coronary heart disease (CHD)
Hypercholesterolemia; HMG-CoA reductase inhibitor; Pravastatin; Lp (a); Acute-phase response (Fieseler, H.-G. (204) 291)

Corticosteroid
Bone alkaline phosphatase; Cyclosporin; Beclomethasone (Van Straalen, J.P. (201) 27)

Corticosteroids
Acute lymphoblastic leukemia; Arachnoid; Fibroproliferative response; Intraspinal injections; Methotrexate (Vainionpää, L. (203) 47)

Cot death

3-Hydroxy-3-methylglutaric aciduria; Organic acids; Gas chromatography-mass spectrometry; Silylation; Derivatization; Urine analysis (Mills, G.A. (204) 131)

Cotinine

Urine; HPLC; Colorimetric assay; Smoking; Cigarettes low-yield (Kolonen, S.A. (196) 159)

Coulter Counter

Crystalluria; Microscopic examination (Hennequin, C. (200) 227)

C-Peptide

Rapid method; Radioimmunoassay; Plasma (Sælsen, L. (196) 1)

Creatine kinase

Macro creatine kinase; Creatine kinase isozyme; Creatine kinase subform; Immunoglobulin A; Immune complex (Kanemitsu, F. (197) 9)

Activation energy; Bacteremia; Infective endocarditis (De Scheerder, I.K. (197) 115)

Isoenzyme; Myocardial infarction; Human; Subform; Computer-fitting (Christenson, R.H. (200) 23)

Creatine kinase isozyme

Creatine kinase; Macro creatine kinase; Creatine kinase subform; Immunoglobulin A; Immune complex (Kanemitsu, F. (197) 9)

Creatine kinase release

Contractile activity; Skeletal muscle; Rat (West-Jordan, J.A. (203) 119)

Creatine kinase subform

Creatine kinase; Macro creatine kinase; Creatine kinase isozyme; Immunoglobulin A; Immune complex (Kanemitsu, F. (197) 9)

Creatinine deiminase

Serum; Urine; Bacterium BN11 (Gottschalk, E.M. (204) 223)

Crossed affino-immunolectrophoresis

α_1 -Acid glycoprotein; Elderly; Microheterogeneity (Kawerk, N. (202) 65)

Crystal inhibitor

Urolithiasis; Urine; *Proteus mirabilis*; Struvite; Pyrophosphate (McLean, R.J.C. (200) 107)

Crystalluria

Coulter Counter; Microscopic examination (Hennequin, C. (200) 227)

Cultured GHRH-producing tumor cells

GHRH(1-29)-Gly₄-Cys-NH₂; GHRH RIA; Plasma GHRH level (Zhang, C.-y. (202) 243)

Cyclic guanosine monophosphate

Atrial natriuretic peptide; Chronic obstructive pulmonary disease (Rota, M. (201) 75)

Cyclodextrin

Serum lipoprotein; Electrophoresis; Turbidimetry (Sharma, A. (199) 129)

Cyclosporin

Bone alkaline phosphatase; Corticosteroid; Beclomethasone (Van Straalen, J.P. (201) 27)

Cysteine

Cystinuria; Cystine; HPLC (Birwé, H. (199) 33)

Cystic fibrosis

Peroxide-induced haemolysis; Vitamin E (James, D.R. (204) 279)

Cystine

Cystinuria; Cysteine; HPLC (Birwé, H. (199) 33)

Cystinuria

Cysteine; Cystine; HPLC (Birwé, H. (199) 33)

Cytochrome c

X-linked muscular dystrophy; Respiratory chain (Nigro, G. (202) 89)

Cytokine

Neopterin; Pterins; Inflammatory disease; Interferon (Müller, M.M. (201) 1)

Cytosolic protein

Skeletal muscle; Damage; Calcium (Jackson, M.J. (197) 1)

D

Damage

Skeletal muscle; Cytosolic protein; Calcium (Jackson, M.J. (197) 1)

Dementia

beta-2-Microglobulin; Amyloid; Dialysis (Annunziata, P. (201) 139)

Density gradient ultracentrifugation

Familial hypercholesterolemia; LDL subfractions; Sex difference (Tilly-Kiesi, M.K. (201) 65)

Deoxycholic acid

Arachidonic acid; Cholesterol gallstones; Pigment gallstones (Van Erpecum, K.J. (199) 295)

Cholic acid (Fischer, S. (203) 269)

Deproteinization

Iron; Serum; Atomic absorption spectrometry (De Benzo, Z.A. (197) 139)

Derivatization

3-Hydroxy-3-methylglutaric aciduria; Organic acids; Gas chromatography-mass spectrometry; Silylation; Urine analysis; Cot death (Mills, G.A. (204) 131)

Detection limit

Immunoglobulin genes; T cell receptor genes; Gene rearrangement; Receptor diversity; Southern blot analysis; Clonality; Clonal proliferation; DNA extraction; Restriction enzymes; Restriction maps; DNA probes; IgH genes; Ig κ genes; Ig λ genes; TcR- β genes; TcR- γ genes; TcR- δ genes; Genetic polymorphism (Van Dongen, J.J.M. (198) 1)

Detoxification enzymes

Myocardial infarction; Lipid peroxide; Malondialdehyde (Loeper, J. (196) 119)

Dextran-sulfate

Homozygous familial hypercholesterolemia; LDL-apheresis; Fibronectin (Erlich, D. (201) 169)

Diabetes

β -Hexosaminidase; Isoenzymes; Nephropathy; Plasma; Retinopathy (Hultberg, B. (196) 177)

Diabetes mellitus

Apolipoprotein E; Genotype/phenotype (Snowden, C. (196) 49)

Arachidonic acid; Diabetic retinopathy; Eicosapentaenoic acid; Non-esterified fatty acid; Platelet aggregation (Myrup, B. (204) 251)

Diabetic control

Glycated albumin (Johnson, R.N. (198) 229)

Diabetic nephropathy

Serum laminin; Minimal change nephrosis; Membranous glomerulonephritis; Lupus nephritis; Renal cell carcinoma (Horikoshi, S. (196) 185)

Diabetic retinopathy

Platelet aggregation; Fibronectin; Cell adhesion peptide; Glaucoma; Retinal vein occlusion (Babizhayev, M.A. (196) 77)

Arachidonic acid; Diabetes mellitus; Eicosapentaenoic acid; Non-esterified fatty acid; Platelet aggregation (Myrup, B. (204) 251)

Dialysis

beta-2-Microglobulin; Amyloid; Dementia (Annunziata, P. (201) 139)

Diamine oxidase

[¹⁴C]Putrescine (Smith, C.H. (201) 89)

Diarrhea

Aminopterin; Methotrexate; Small intestine; Prostaglandin; Rat (Weiler, H. (199) 283)

Diffuse idiopathic skeletal hyperostosis

Retinoic acid isomers; Retinol; Vitamin A (Periquet, B. (203) 57)

Dipeptidase

Serum carnosinase (Jackson, M.C. (196) 193)

Dipeptidyl peptidase IV

Aminopeptidase P; Leukocyte; Lymphocyte; Phytohemagglutinin stimulation (Hendriks, D. (196) 87)

Discrete type autoanalyzer

Plasma prekallikrein; Plasma kallikrein-kinin system; *Pseudomonas aeruginosa* elastase (Shibuya, Y. (200) 119)

Discriminant analysis

Recursive partitioning; Statistics; Hypercalcemia (Lacher, D.A. (204) 199)

Diuretics

Angiotensin; Kidney; Renin; Sodium; Urine (Boer, P. (199) 195)

Diurnal variation

α_1 -Microglobulin; Osmolality (Itoh, Y. (201) 123)

DNA extraction

Immunoglobulin genes; T cell receptor genes; Gene rearrangement; Receptor diversity; Southern blot analysis; Clonality; Clonal proliferation; Restriction enzymes; Restriction maps; DNA probes; IgH genes; Ig κ genes; Ig λ genes; TcR- β genes; TcR- γ genes; TcR- δ genes; Genetic polymorphism; Detection limit (Van Dongen, J.J.M. (198) 1)

DNA polymorphism

Apolipoprotein B; Coronary heart disease (Mendis, S. (196) 107)

DNA probes

Immunoglobulin genes; T cell receptor genes; Gene rearrangement; Receptor diversity; South-

ern blot analysis; Clonality; Clonal proliferation; DNA extraction; Restriction enzymes; Restriction maps; IgH genes; Ig κ genes; Ig λ genes; TcR- β genes; TcR- γ genes; TcR- δ genes; Genetic polymorphism; Detection limit (Van Dongen, J.J.M. (198) 1)

Dolichylmonophosphate

Glycosylation; Mitochondria; Microsome; Muscle; Myopathy (Gasnier, F. (199) 69)

Dot-blot hybridization

Purine metabolism; Allele specific oligonucleotide; Germline mutation; Urolithiasis; Avidin-biotin; Chemiluminescence (Kawaguchi, R. (203) 183)

Down's syndrome

Erythrocyte; Proteolysis; Antioxidative enzymes (Bartosz, G. (198) 239)

Dried blood spots

Medium-chain acyl-CoA dehydrogenase (MCAD) deficiency; β -Oxidation defect; G985 MCAD mutation; G985 polymerase chain reaction (PCR) assay (Gregersen, N. (203) 23)

Drug interference

p-Aminobenzoic acid; *p*-Aminosalicylic acid; Fluorescence; HPLC; Pancreatic function testing (Pemberton, P.W. (199) 253)

Dual-wavelength spectrophotometry

Serum zinc; Highly sensitive reagent; Microwell plates; Masking and demasking system; Pediatric chemistry (Makino, T. (197) 209)

E

EAAS

Bismuth in blood and serum; Platinum; Matrix modification; Storage (Slikerveer, A. (201) 17)

Ecdysteroids

Helminthiasis; Human urine (Gharib, B. (199) 159)

Eicosapentaenoic acid

Arachidonic acid; Diabetes mellitus; Diabetic retinopathy; Non-esterified fatty acid; Platelet aggregation (Myrup, B. (204) 251)

Elastase

Fulminant hepatic failure; Infection; α_1 -Antitrypsin (Langley, P.G. (200) 211)

Asthma; Age; α_2 -Macroglobulin

(Kilroe-Smith, T.A. (202) 47)

Elastolysis

Human aortic elastin; Atherosclerotic; Lipid; Cation (Saulnier, J.M. (200) 129)

Elderly

α_1 -Acid glycoprotein; Microheterogeneity; Crossed affinity-immunoelectrophoresis (Kawerk, N. (202) 65)

Electrophoresis

Cyclodextrin; Serum lipoprotein; Turbidimetry (Sharma, A. (199) 129)

Agarose gel; Glucose-6-phosphate dehydrogenase (Forbes, J. (199) 279)

Blood; Ethanol; Fucose; Haptoglobin; Lectin; Tobacco (Thompson, S. (201) 59)

ELISA

Sialidase (Neuraminidase); Sialidase antibodies; Clostridia; Myonecrosis, Diagnosis; Patients (Roggentin, P. (196) 97)

Transthyretin; Prealbumin; Cerebrospinal fluid (Vatassery, G.T. (197) 19)

Acute intermittent porphyria; Erythrocyte; Lymphocyte; Porphobilinogen deaminase (Lilius, L. (197) 77)

Tumor marker; Nucleoside; Urine; Human; 1-Methylinosine (D'Ambrosio, S.M. (199) 119)

Serum arylesterase; Cirrhosis; Monoclonal antibody (Kawai, H. (202) 219)

Endotoxin

Whole blood; β -D-Glucan; Limulus test; Chromogenic substrate; Gram-negative bacterial sepsis (Tamura, H. (200) 35)

Enzymatic assay

Sialidase; Lectin (Lambré, C.R. (198) 183)

Phenylketonuria; Monitoring; Plasma phenylalanine (Wendel, U. (201) 95)

Guanidinoacetic acid; Guanidinoacetate kinase; Urine (Shirokane, Y. (202) 227)

Enzyme

Hexosaminidase A; Lysosome; Acid hydrolases; Tay-Sachs disease; Genetic diseases (Den Tandt, W.R. (199) 231)

Enzyme electrode

Acetylcholinesterase; Butyrylcholinesterase; Amniotic fluid; Choline (Morelis, R.M. (203) 295)

Enzyme immunoassay

Total thyroxine; UltramicroElisa; Ultramicroanalytical system; β -Galactosidase conjugate; Hypothyroidism (Gonzalez, R.R. (197) 159)

Lactoferrin; Bone marrow transplantation; Plasma lactoferrin (Suzuki, T. (202) 111)

Integrins; Monoclonal antibodies; Liver disease (Katayama, M. (202) 179)

Enzyme inhibitor

δ -Aminolevulinic acid dehydratase; Alcohol; Enzyme reactivator; δ -Aminolevulinic acid; Coproporphyrin (Sieg, I. (202) 211)

Enzyme-linked antiglobulin test

Acetylcholinesterase; Enzyme linked immunosorbent assay (Jones, J.W. (200) 175)

Enzyme linked immunosorbent assay

Apolipoprotein E; Apolipoprotein B; Cerebrospinal fluid; Neurological diseases (Carlsson, J. (196) 167)

Monoclonal antibodies; Plasma cholinesterase; Pregnancy, Puerperium (Whittaker, M. (199) 223)

Pro-colipase activation peptide; Satiety; Acute pancreatitis (Bowyer, R.C. (200) 137)

Acetylcholinesterase; Enzyme-linked antiglobulin test (Jones, J.W. (200) 175)

Enzyme reactivator

δ -Aminolevulinic acid dehydratase; Alcohol; Enzyme inhibitor; δ -Aminolevulinic acid; Coproporphyrin (Sieg, I. (202) 211)

Eosinophil-derived basic proteins

Carrington's disease; Urine; Ribonuclease activity (Deviller, P. (201) 105)

Epithelial lining fluid

Bronchoalveolar lavage; Respiratory membrane permeability; Sarcoidosis; Bronchial asthma; Pneumocystis carinii pneumonia (Van de Graaf, E.A. (196) 27)

Erythrocyte membrane (human)

Spectrin; Quantitative analysis; SDS-PAGE; Pancreatic trypsin inhibitor (Kunitz); Internal standard (Yoshida, H. (199) 99)

Erythrocyte

Aging; Potassium; Sodium; Sodium transport (Heseltine, D. (196) 41)

Acute intermittent porphyria; ELISA; Lymphocyte; Porphobilinogen deaminase (Lilius, L. (197) 77)

Down's syndrome; Proteolysis; Antioxidative enzymes (Bartosz, G. (198) 239)

Band 3 protein; Hemoglobin; Aldolase (Retelewska, W. (198) 255)

Hereditary spherocytosis; Membrane protein; Proteolytic susceptibility (Gaczyńska, M. (198) 267)

Pyrimidine 5'-nucleotidase; Fast electrophoretic mobility (Li, J.-Y. (200) 43)

Clinical analysis; Rheumatoid arthritis; Graves' Disease; Glutathione (Reglinski, J. (201) 45)

Transketolase; Apoenzyme; Thiamine diphosphate; Thiamine (Price, J. (202) 39)

Ethanol

Blood; Electrophoresis; Fucose; Haptoglobin; Lectin; Tobacco (Thompson, S. (201) 59)

Ethynodiol estradiol

Norethindrone; Radioimmunoassay; Sephadex LH-20; Celite; Chromatography (Zacur, H.A. (204) 209)

Ethylene diamine tetraacetic acid-infusion test

Intact parathyroid hormone assay; Mid region parathyroid hormone; Hyperthyroidism (Bergenfelz, A. (197) 229)

Exercise

Polypropenoid; Analgesic; Sauna (Roine, R. (204) 13)

Extracellular fluid space

Inulin assay; High-performance liquid chromatography; Glomerular filtration rate; Inulin kinetics (Ruo, T.I. (204) 217)

F

Familial hypercholesterolemia

Density gradient ultracentrifugation; LDL subfractions; Sex difference (Tilly-Kiesi, M.K. (201) 65)

Fast electrophoretic mobility

Erythrocyte; Pyrimidine 5'-nucleotidase (Li, J.-Y. (200) 43)

Fasting blood glucose

Fructosamine; Haemoglobin A₁; Type 2 diabetes (MacRury, S.M. (199) 51)

Fatty acid

Liver; Triglyceride; Reye's syndrome; Hepatic desaturase (Kang, E.S. (204) 167)

Phospholipids; Silica Sep-Pak cartridge (Ellin, Å. (200) 59)

Very low density lipoprotein; Lipoprotein lipase; Apoprotein (Saheki, S. (204) 155)

Fatty acid composition

Insulin; Glycemic clamp (Pelikánová, T. (203) 329)

n-3 fatty acids

Fish oil; Lp (a) (Berg Schmidt, E. (198) 271)

Feces

Colon; Glycoconjugate; Glycoprotein; Mucin; Mucus (Clamp, J.R. (203) 243)

Fibril assay

Type III collagen; Collagenolytic enzyme; Collagenase; Lung cancer (Kawamura, M. (203) 225)

Fibrinolysis

Glycometabolic control; Coagulation (Van Wersch, J.W.J. (201) 99)

Fibroblast

Betaine:homocysteine methyltransferase; Lymphocyte; Betaine; Homocysteine; Vascular disease (Wang, J. (204) 239)

Fibronectin

Platelet aggregation; Cell adhesion peptide; Diabetic retinopathy; Glaucoma; Retinal vein occlusion (Babizhayev, M.A. (196) 77)

Homozygous familial hypercholesterolemia; LDL-apheresis; Dextran-sulfate (Erlich, D. (201) 169)

Fibroproliferative response

Acute lymphoblastic leukemia; Arachnoid; Corticosteroids; Intraspinal injections; Methotrexate (Vainionpää, L. (203) 47)

Fish oil

n-3 fatty acids; Lp (a) (Berg Schmidt, E. (198) 271)

Flow injection analysis

8-Port injection valve; Glucose; Blood serum (Araujo, A.N. (203) 67)

Fludarabine

Fluorescence assay; Biological fluids (Kemeny, A. (200) 95)

Fluorescence

p-Aminobenzoic acid; p-Aminosalicylic acid; Drug interference; HPLC; Pancreatic function testing (Pemberton, P.W. (199) 253)

Fluorescence assay

Fludarabine; Biological fluids (Kemeny, A. (200) 95)

Fluorescence detection

gamma-Aminobutyric acid; Reference values; Cerebrospinal fluid; Childhood; Ion-exchange chromatography (Carchon, H.A. (201) 83)

Fluorescence enzymatic analysis

Serum bile acid; Bioluminescence enzymatic analysis; Gas chromatography-mass spectrometry (Rossi, S.S. (200) 63)

Fluorometric assay

Sialyltransferase; Human plasma; CMP-9-fluoreseceinyl-NeuAc; Acceptor specificity (Gross, H.J. (197) 237)

Fluorometric enzyme immunoassay

Neonatal screening; Congenital hypothyroidism (Tuuminen, T. (202) 167)

F-protein

Anaesthesia; Hepatitis; Liver; Halothane; Isoflurane (Cooper, C.M. (202) 73)

Free cortisol

Free steroid; Free prednisolone; Ultrafiltration; Ultracentrifugation (Adachi, K. (200) 13)

Free fatty acids

Rat; Hepatic encephalopathy; Liver ischemia; Porta caval shunt (Smit, J.J.H. (197) 95)

Plasma; Heparin; Anticoagulants (McGann, A.M. (197) 265)

Lipolysis; Beta-2 receptor tolerance; Triglyceride (Kendall, M.J. (204) 51)

Free prednisolone

Free steroid; Free cortisol; Ultrafiltration; Ultracentrifugation (Adachi, K. (200) 13)

Free radicals

Unstable hemoglobin; Peroxidation; Antioxidative enzymes; Membrane fluidity; Splenectomy (Falcioni, G. (196) 153)

Free secretory component

Human bile FSC; Human serum FSC; pIgA receptor; pIgA transcytic pathway; FSC in liver disease (Perez, J.H. (197) 171)

Free steroid

Free cortisol; Free prednisolone; Ultrafiltration; Ultracentrifugation (Adachi, K. (200) 13)

Fructosamine

Haemoglobin A₁; Fasting blood glucose; Type 2 diabetes (MacRury, S.M. (199) 51)

Fructosamine

Multiple myeloma; Serum protein; Glucose metabolism (Montagna, M.P. (204) 123)

FSC in liver disease

Free secretory component; Human bile FSC; Human serum FSC; pIgA receptor; pIgA transcytic pathway (Perez, J.H. (197) 171)

Fucose

Blood; Electrophoresis; Ethanol; Haptoglobin; Lectin; Tobacco (Thompson, S. (201) 59)

Fulminant hepatic failure

Elastase; Infection; α_1 -Antitrypsin (Langley, P.G. (200) 211)

G

Galactosialidosis

Sialidosis; Oligosaccharide; Subtype (Takahashi, Y. (203) 199)

β -Galactosidase conjugate

Total thyroxine; Enzyme immunoassay; UltramicroElisa; Ultramicroanalytical system; Hypothyroidism (Gonzalez, R.R. (197) 159)

Gallstone

Cholesterol 7 α -hydroxylase; Lipid transfer protein, nonspecific; Bile acid biosynthesis (Kawata, S. (197) 201)

Gangliosides

Cerebrospinal fluid; Sulfatide; Immunoaffinity; Cholera toxin; Monoclonal antibody (Davidsson, P. (197) 103)

Gas chromatography

Lignan; Genistein; Isoflavonoids; Mass spectrometry (Adlercreutz, H. (199) 263)

Gas chromatography-mass spectrometry

Serum bile acid; Bioluminescence enzymatic analysis; Fluorescence enzymatic analysis (Rossi, S.S. (200) 63)

3-Hydroxy-3-methylglutaric aciduria; Organic acids; Silylation; Derivatization; Urine analysis; Cot death (Mills, G.A. (204) 131)

Gas-liquid chromatography

Neutral steroids; Profiles; Urine; Mass spectrometry; Oxytetracycline (Hämäläinen, E. (199) 205)

Gaucher disease

Metachromatic leukodystrophy; Tay-Sachs disease; Polymerase chain reaction; Arylsulfatase A; Pseudodeficiency; Lysosomal disorders (Louie, E. (199) 7)

beta-Hexosaminidase (Natowicz, M.R. (203) 17)

Urinary glucocerebrosidase; Asymptomatic Gaucher disease; Carrier detection; Lysosomal storage disorder; β -Glucuronidase; Glycosphingolipidosis (Aerts, J.M.F.G. (203) 349)

GC/MS

Inborn error; MCAD; Skin fibroblasts; Mitochondrial β -oxidation (Niezen-Koning, K.E. (199) 173)

Gel electrophoresis and chromatography

LBSA determination; Serum glycoproteins; Lipid analysis (Végh, Z. (203) 259)

Gel-chromatography

Bilirubin; Biliprotein; Azopigments; Total bilirubin; Accuracy (Franzini, C. (203) 339)

Gene rearrangement

Immunoglobulin genes; T cell receptor genes; Receptor diversity; Southern blot analysis; Clonality; Clonal proliferation; DNA extraction; Restriction enzymes; Restriction maps; DNA probes; IgH genes; Ig κ genes; Ig λ genes; TcR- β genes; TcR- γ genes; TcR- δ genes; Genetic polymorphism; Detection limit (Van Dongen, J.J.M. (198) 1)

Immunoglobulin genes; T cell receptor genes; Southern blot analysis; Lymphoid differentiation; Leukemias; Malignant lymphomas; Clonality; Oligoclonality; Clonal progression; Lineage infidelity; Immunodeficiency; Benign clonal proliferations; Richter's syndrome; Minimal residual disease (Van Dongen, J.J.M. (198) 93)

Genetic diseases

Hexosaminidase A; Enzyme; Lysosome; Acid hydrolases; Tay-Sachs disease (Den Tandt, W.R. (199) 231)

Genetic polymorphism

Immunoglobulin genes; T cell receptor genes; Gene rearrangement; Receptor diversity; Southern blot analysis; Clonality; Clonal proliferation; DNA extraction; Restriction enzymes; Restriction maps; DNA probes; IgH genes; Ig κ genes; Ig λ genes; TcR- β genes; TcR- γ genes; TcR- δ genes; Detection limit (Van Dongen, J.J.M. (198) 1)

Genetics

Heritable disorder; Alkaline phosphatase; Phosphate; Phosphoethanolamine (Macfarlane, J.D. (202) 141)

Genistein

Lignan; Isoflavonoids; Gas chromatography; Mass spectrometry (Adlercreutz, H. (199) 263)

Genotype/phenotype

Apolipoprotein E; Diabetes mellitus (Snowden, C. (196) 49)

Germline mutation

Purine metabolism; Allele specific oligonucleotide; Dot-blot hybridization; Urolithiasis; Avidin-biotin; Chemiluminescence (Kawaguchi, R. (203) 183)

GHRH RIA

GHRH(1-29)-Gly₄-Cys-NH₂; Plasma GHRH level; Cultured GHRH-producing tumor cells (Zhang, C.-y. (202) 243)

GHRH(1-29)-Gly₄-Cys-NH₂

GHRH RIA; Plasma GHRH level; Cultured GHRH-producing tumor cells (Zhang, C.-y. (202) 243)

Glaucoma

Platelet aggregation; Fibronectin; Cell adhesion peptide; Diabetic retinopathy; Retinal vein occlusion (Babizhayev, M.A. (196) 77)

Aqueous humor; Lysosomal enzymes; Cataracts (Weinreb, R.N. (199) 1)

Gliadin Celiac disease; Cellular immunity; Antibody; Gluten; Wheat (Penttila, I.A. (204) 95)

Glomerular filtration rate

Inulin assay; High-performance liquid chromatography; Extracellular fluid space; Inulin kinetics (Ruo, T.I. (204) 217)

β-D-Glucan

Whole blood; Endotoxin; Limulus test; Chromogenic substrate; Gram-negative bacterial sepsis (Tamura, H. (200) 35)

N-acetyl-β-D-Glucosaminidase isoenzyme

Monocyte-derived macrophage; Zymosan; Interferon-γ (Bourbouze, R. (199) 185)

Glucose metabolism

Multiple myeloma; Serum protein; Fructosamine (Montagna, M.P. (204) 123)

Glucose-6-phosphate dehydrogenase

Agarose gel; Electrophoresis (Forbes, J. (199) 279)

Glucose

Flow injection analysis; 8-Port injection valve; Blood serum (Araujo, A.N. (203) 67)

β-Glucosidase

Urinary glucocerebrosidase; Gaucher disease; Asymptomatic Gaucher disease; Carrier detection; Lysosomal storage disorder; Glycosphingolipidosis (Aerts, J.M.F.G. (203) 349)

β-Glucuronidase

AIDS; Human immunodeficiency virus (Saha, A.K. (199) 311)

Lysosomal enzymes; β-N-Acetylglucosaminidase; Aryl-sulfatase; Saphen (Hayer, M. (203) 343)

Glutamate dehydrogenase

Ornithine carbamyl transferase; Liver mitochondria; Ammonia assay; Mitochondrial aspartate aminotransferase (Peltenburg, H.G. (203) 395)

γ-Glutamyl transpeptidase

Human submandibular gland enzyme (Sajan, A.R. (197) 131)

Head and neck cancer; TNM stage; radiotherapy (Singh, J. (203) 375)

Glutathione

Erythrocyte; Clinical analysis; Rheumatoid arthritis; Graves' Disease (Reglinski, J. (201) 45)

Glutathione cycle

Polymorphonuclear leucocytes; Neutrophils; Hydrogen peroxide; Respiratory burst; Photometric assay (Negri, M. (199) 305)

Glutathione peroxidase

Selenium; Primary biliary cirrhosis (Välimäki, M. (196) 7)

Gluten

Celiac disease; Cellular immunity; Antibody; Gliadin; Wheat (Penttila, I.A. (204) 95)

Glycan

α₁-Acid glycoprotein; Pregnancy (Biou, D. (204) 1)

Glycated albumin

Diabetic control (Johnson, R.N. (198) 229)

Glycated protein; Urine protein; m-Aminophenyl boronate affinity chromatography (Silver, A.C. (202) 11)

Glycated hemoglobin

Hypoglycemia; Hyperinsulinism (Niketic, V. (197) 47)

Glycated protein

Glycated albumin; Urine protein; m-Aminophenyl boronate affinity chromatography (Silver, A.C. (202) 11)

GlycationLecithin : cholesterol-acyltransferase; Apolipoprotein A₁ (Gugliucci, A. (204) 37)**Glycemic clamp**

Insulin; Fatty acid composition (Pelikánová, T. (203) 329)

Glycerol kinase deficiency

Urinary metabolic screening; Inborn errors of metabolism; Glycerol (Kohlschütter, A. (198) 203)

Glycerol

Urinary metabolic screening; Inborn errors of metabolism; Glycerol kinase deficiency (Kohlschütter, A. (198) 203)

Glycoconjugate

Colon; Feces; Glycoprotein; Mucin; Mucus (Clamp, J.R. (203) 243)

Glycolic acid

Glyoxylic acid; Blood glycolic acid; Primary hyperoxaluria; Oxalosis; Chronic renal failure (Petrarulo, M. (196) 17)

Glycometabolic control

Coagulation; Fibrinolysis (Van Wersch, J.W.J. (201) 99)

Glycoprotein

Colon; Feces; Glycoconjugate; Mucin; Mucus (Clamp, J.R. (203) 243)

Glycoprotein degradation

HPLC; Urinary oligosaccharides (Hommes, F.A. (203) 211)

GlycosphingolipidosisUrinary glucocerebrosidase; Gaucher disease; Asymptomatic Gaucher disease; Carrier detection; Lysosomal storage disorder; β -Glucuronidase (Aerts, J.M.F.G. (203) 349)**Glycosylation**

Dolichylmonophosphate; Mitochondria; Microsome; Muscle; Myopathy (Gasnier, F. (199) 69)

Stable isotope labeling; Bile acids (Matern, S. (203) 77)

 α_1 -Acid glycoprotein; Acute bacterial infection; Chronic bacterial infection (Fassbender, K. (203) 315)**Glyoxylase**

Blood sample (McLellan, A.C. (204) 137)

Glyoxylic acid

Glycolic acid; Blood glycolic acid; Primary hyperoxaluria; Oxalosis; Chronic renal failure (Petrarulo, M. (196) 17)

Gout

High-performance liquid chromatography; Phosphoribosylpyrophosphate synthetase; Pyrimidine 5'-nucleotidase deficiency (Sakuma, R. (203) 143)

Gram-negative bacterial sepsisWhole blood; Endotoxin; β -D-Glucan; Limulus test; Chromogenic substrate (Tamura, H. (200) 35)**Granulocytes** α_2 -Macroglobulin; Oxygen radicals; Reperfusion injury (Donnelly, P.K. (202) 55)**Graphite furnace atomic absorption spectrometry**

Thallium determination; Palladium chemical modification; Sodium chloride interference; Urine, blood analysis (Yang, Q. (204) 23)

Graves' Disease

Erythrocyte; Clinical analysis; Rheumatoid arthritis; Glutathione (Reglinski, J. (201) 45)

Guanyldinoacetate kinase

Guanyldinoacetic acid; Enzymatic assay; Urine (Shirokane, Y. (202) 227)

Guanidinoacetic acid

Guanidinoacetate kinase; Enzymatic assay;
Urine (Shirokane, Y. (202) 227)

Gynecological surgery

Plasma glycine; HPLC (Sherwood, R.A. (203)
275)

H

Haemoglobin A₁

Fructosamine; Fasting blood glucose; Type 2 diabetes (MacRury, S.M. (199) 51)

Halothane

Malignant hyperthermia; Sarcolemma and sarcoplasmic reticulum pig muscular membrane; Spin labeling (Thomas, M.A. (200) 201)

Anaesthesia; F-protein; Hepatitis; Liver; Isoflurane (Cooper, C.M. (202) 73)

Haptoglobin

Blood; Electrophoresis; Ethanol; Fucose; Lectin; Tobacco (Thompson, S. (201) 59)

Hb F Sardinia

IEF; $\alpha\gamma^T$ -chain; β -thalassemia; HPFH (Masala, B. (198) 195)

Head and neck cancer

γ -Glutamyl transpeptidase; TNM stage; radiotherapy (Singh, J. (203) 375)

Head-space gas chromatography

Autoxidation of L-3,4-dihydroxyphenylalanine to carbon monoxide; Oxidant/antioxidant properties of drugs (Cooper, M.J. (202) 105)

Helminthiasis

Ecdysteroids; Human urine (Gharib, B. (199) 159)

Hemodialysis

Serum amyloid P component; Amyloidosis; Renal failure; Continuous ambulatory peritoneal dialysis (Nelson, S.R. (200) 191)

Hemoglobin

Erythrocyte; Band 3 protein; Aldolase (Reteleswka, W. (198) 255)

Heparin

Plasma; Anticoagulants; Free fatty acids (McGann, A.M. (197) 265)

Hepatic desaturase

Liver; Triglyceride; Fatty acids; Reye's syndrome (Kang, E.S. (204) 167)

Hepatic encephalopathy

Free fatty acids; Rat; Liver ischemia; Porta caval shunt (Smit, J.J.H. (197) 95)

Phenethylamine; Biogenic amine; Liver cirrhosis; Liver disease (Yonekura, T. (199) 91)

Hepatic fibrosis

Chronic liver diseases; Procollagen III; Collagen peptidase (Müller, A. (197) 59)

Hepatitis

Anaesthesia; F-protein; Liver; Halothane; Isoflurane (Cooper, C.M. (202) 73)

Hereditary spherocytosis

Erythrocyte; Membrane protein; Proteolytic susceptibility (Gaczyńska, M. (198) 267)

Heritable disorder

Genetics; Alkaline phosphatase; Phosphate; Phosphoethanolamine (Macfarlane, J.D. (202) 141)

Heterozygous β -thalassaemia

Serum isoferritin; Spectrotype; Multivariate analysis (Lasne, Y. (197) 85)

Hexosaminidase A

Enzyme; Lysosome; Acid hydrolases; Tay-Sachs disease; Genetic diseases (Den Tandt, W.R. (199) 231)

β -Hexosaminidase

Diabetes; Isoenzymes; Nephropathy; Plasma; Retinopathy (Hultberg, B. (196) 177)

Gaucher disease (Natowicz, M.R. (203) 17)

High density lipoprotein cholesterol (HDLc)

Lipid profiles; Low density lipoprotein cholesterol (LDLc); Coronary heart disease; Lipid Research Clinics (LRC) cholesterol; Standardization program (Mace, R. (204) 189)

High density lipoprotein

Platelet activating factor (PAF); PAF acetylhydrolase; Low density lipoprotein; Cholesterol (Satoh, K. (202) 95)

Highly sensitive reagent

Serum zinc; Microwell plates; Dual-wavelength spectrophotometry; Masking and demasking system; Pediatric chemistry (Makino, T. (197) 209)

High-performance liquid chromatography

Inulin assay; Glomerular filtration rate; Extracellular fluid space; Inulin kinetics (Ruo, T.I. (204) 217)

High-performance liquid chromatography (HPLC)

Bilirubin distribution; Albumin; β -Lipoprotein (Soltés, L. (201) 35)

Phosphoribosylpyrophosphate synthetase; Gout; Pyrimidine 5'-nucleotidase deficiency (Sakuma, R. (203) 143)

Histaminemia

Sickle cell anaemia; Hypohistidinemia (Enwonwu, C.O. (203) 363)

Histiocytosis X

Blood cells; Monocyte; Lymphocyte; LDH; MDH (Perlino, E. (200) 153)

HMG-CoA reductase inhibitor

Hypercholesterolemia; Pravastatin; Lp (a); Acute-phase response; Coronary heart disease (CHD) (Fieseler, H.-G. (204) 291)

Homocysteine

Betaine: homocysteine methyltransferase; Lymphocyte; Fibroblast; Betaine; Vascular disease (Wang, J. (204) 239)

Homozygous familial hypercholesterolemia

LDL-apheresis; Fibronectin; Dextran-sulfate (Erlich, D. (201) 169)

HPFH

IEF; Hb F Sardinia; $\Delta\gamma^T$ -chain; β -thalassemia (Masala, B. (198) 195)

HPLC

Urine; Cotinine; Colorimetric assay; Smoking; Cigarettes low-yield (Kolonen, S.A. (196) 159)

Cystinuria; Cysteine; Cystine (Birwé, H. (199) 33)

p-Aminobenzoic acid; *p*-Aminosalicylic acid; Drug interference; Fluorescence; Pancreatic function testing (Pemberton, P.W. (199) 253)

Phenylketonuria (PKU); Maple syrup urine disease (MSUD); Tyrosinemia; Newborn screening (Qu, Y. (203) 191)

Urinary oligosaccharides; Glycoprotein degradation (Hommes, F.A. (203) 211)

Plasma glycine; Gynecological surgery (Sherwood, R.A. (203) 275)

Human

Tumor marker; ELISA; Nucleoside; Urine; 1-Methylinosine (D'Ambrosio, S.M. (199) 119)

Isoenzyme; Myocardial infarction; Creatine kinase; Subform; Computer-fitting (Christenson, R.H. (200) 23)

Human aortic elastin

Atherosclerotic; Lipid; Cation; Elastolysis (Saulnier, J.M. (200) 129)

Human bile FSC

Free secretory component; Human serum FSC; IgA receptor; IgA transcytic pathway; FSC in liver disease (Perez, J.H. (197) 171)

Human blood serum

Aminoacid stability; Ultrafiltration; Storage; pH; Temperature (Kornhuber, M.E. (197) 189)

Human cerebrospinal fluid

β -N-Acetylhexosaminidase; Automated procedure; Human serum; Multiple sclerosis (Datti, A. (200) 73)

Human feces

Hydrogen sulphide; Sulphate reduction; Colon; Sulphidogenesis; Methanogenesis (Florin, T.H.J. (196) 127)

Human fetus

α_1 -Acid glycoprotein; Orosomucoid; Microheterogeneity; Concanavalin A (Seta, N. (203) 167)

Human immunodeficiency virusAIDS; β -Glucuronidase (Saha, A.K. (199) 311)**Human kidney**

Aminopeptidase (Mantle, D. (196) 135)

Human plasma

Sialyltransferase; Fluorometric assay; CMP-9-fluoresceinyl-NeuAc; Acceptor specificity (Gross, H.J. (197) 237)

Human serum β -N-Acetylhexosaminidase; Automated procedure; Human cerebrospinal fluid; Multiple sclerosis (Datti, A. (200) 73)**Human serum FSC**

Free secretory component; Human bile FSC; pIgA receptor; pIgA transcytic pathway; FSC in liver disease (Perez, J.H. (197) 171)

Human spinal cord

Brain natriuretic peptide; Congestive heart failure (Togashi, K. (201) 193)

Human submandibular gland enzyme γ -Glutamyl transpeptidase (Sajjan, A.R. (197) 131)**Human urine**

Ecdysteroids; Helminthiasis (Gharib, B. (199) 159)

Human ventricular myosin heavy chain

Monoclonal antibody; Myocardial necrosis (Simeonova, P.P. (201) 207)

Hydrogen peroxide and ammonium molybdate, complex of

Serum catalase; Reference interval; Age and sex dependence (Góth, L. (196) 143)

Hydrogen peroxide

Polymorphonuclear leucocytes; Neutrophils; Glutathione cycle; Respiratory burst; Photometric assay (Negri, M. (199) 305)

Porphyrin; Photosensitizer; Light; Singlet oxygen; Hydroxyl

(Aravind Menon, I. (202) 237)

Hydrogen sulphide

Sulphate reduction; Human feces; Colon; Sulphidogenesis; Methanogenesis (Florin, T.H.J. (196) 127)

Hydroxyl

Porphyrin; Photosensitizer; Light; Hydrogen peroxide; Singlet oxygen (Aravind Menon, I. (202) 237)

3-Hydroxy-3-methylglutaric aciduria

Organic acids; Gas chromatography-mass spectrometry; Silylation; Derivatization; Urine analysis; Cot death (Mills, G.A. (204) 131)

Hydroxyproline

Alkaline phosphatase; Isoenzyme; Sickle cell disease; Saudi Arabia (Mohammed, S.M. (203) 285)

Hyperammonemia

Pyroglutamic acid; Urea cycle defects (Nakanishi, T. (197) 249)

Hypercalcemia Discriminant analysis; Recursive partitioning; Statistics (Lacher, D.A. (204) 199)**Hypercholesterolemia**

Coronary heart disease; Low density lipoprotein; Receptor (Joven, J. (197) 67)

HMG-CoA reductase inhibitor; Pravastatin; Lp (a); Acute-phase response; Coronary heart disease (CHD) (Fieseler, H.-G. (204) 291)**Hyperinsulinism**

Glycated hemoglobin; Hypoglycemia (Niketić, V. (197) 47)

Hyperlipoproteinemia

Hypothyroidism; Subclinical hypothyroidism; Thyroid-stimulating hormone; Coronary heart disease (Glueck, C.J. (201) 113)

Hyperornithinemia-hyperammonemia-homo-citrullinuria

Mitochondrial transport; Liquid chromatography-mass spectrometry; Stable isotope; Ornithine (Tsujino, S. (201) 129)

Hyperthyroidism

Intact parathyroid hormone assay; Mid region parathyroid hormone; Ethylene diamine tetraacetic acid-infusion test (Bergenfelz, A. (197) 229)

Hypogalactosylation

IgG; Oligosaccharide; Interleukin 6; Castleman disease (Nakao, H. (197) 221)

Hypoglycemia

Glycated hemoglobin; Hyperinsulinism (Niketic, V. (197) 47)

Hypohistidinemia

Sickle cell anaemia; Histaminemia (Enwonwu, C.O. (203) 363)

Hypothyroidism

Total thyroxine; Enzyme immunoassay; UltramicroElisa; Ultramicroanalytical system; β -Galactosidase conjugate (Gonzalez, R.R. (197) 159)

Subclinical hypothyroidism; Hyperlipoproteinemia; Thyroid-stimulating hormone; Coronary heart disease (Glueck, C.J. (201) 113)

I

IDDM

IgA; Serum immunoglobulins; NIDDM (Rodríguez-Segade, S. (203) 135)

IEF

Hb F Sardinia; α -T-chain; β -thalassemia; HPFH (Masala, B. (198) 195)

Ig κ genes

Immunoglobulin genes; T cell receptor genes; Gene rearrangement; Receptor diversity; Southern blot analysis; Clonality; Clonal proliferation; DNA extraction; Restriction enzymes; Restriction maps; DNA probes; IgH genes; Ig λ genes; TcR- β genes; TcR- γ genes; TcR- δ genes; Genetic polymorphism; Detection limit (Van Dongen, J.J.M. (198) 1)

Ig λ genes

Immunoglobulin genes; T cell receptor genes; Gene rearrangement; Receptor diversity; Southern blot analysis; Clonality; Clonal proliferation; DNA extraction; Restriction enzymes; Restriction maps; DNA probes; IgH genes; Ig κ genes; TcR- β genes; TcR- γ genes; TcR- δ genes; Genetic polymorphism; Detection limit (Van Dongen, J.J.M. (198) 1)

IgA

Serum immunoglobulins; IDDM; NIDDM (Rodríguez-Segade, S. (203) 135)

IgG

Hypogalactosylation; Oligosaccharide; Interleukin 6; Castleman disease (Nakao, H. (197) 221)

IgH genes

Immunoglobulin genes; T cell receptor genes; Gene rearrangement; Receptor diversity; Southern blot analysis; Clonality; Clonal proliferation; DNA extraction; Restriction enzymes; Restriction maps; DNA probes; Ig κ genes; Ig λ genes; TcR- β genes; TcR- γ genes; TcR- δ genes; Genetic polymorphism; Detection limit (Van Dongen, J.J.M. (198) 1)

Immune complex

Creatine kinase; Macro creatine kinase; Creatine kinase isozyme; Creatine kinase subform; Immunoglobulin A (Kanemitsu, F. (197) 9)

Immunoaffinity

Cerebrospinal fluid; Gangliosides; Sulfatide; Cholera toxin; Monoclonal antibody (Davidsson, P. (197) 103)

Immunoassay

Alkaline phosphatase; Bone disease; Liver disease; Reference interval; Affinity chromatography (Gonchoroff, D.G. (199) 43)

Calcium binding protein; Vitamin D-dependent (Zhu, Y. (201) 183)

Immunoblotting

Isozyme; Isoform; Serum protein; Biotinidase (Hart, P.S. (197) 257)

Apolipoprotein E; Postmortem change; Storage; Isoelectric focusing (Lehtimäki, T. (203) 177)

Immunochemical assay

Biotin (Thuy, L.P. (202) 191)

Immunodeficiency

Immunoglobulin genes; T cell receptor genes; Gene rearrangement; Southern blot analysis; Lymphoid differentiation; Leukemias; Malignant lymphomas; Clonality; Oligoclonality; Clonal progression; Lineage infidelity; Benign clonal proliferations; Richter's syndrome; Minimal residual disease (Van Dongen, J.J.M. (198) 93)

Immunoelectrophoresis

Affinity chromatography; Amniotic fluid; Pregnancy proteins (Sørensen, S. (202) 199)

Immunoglobulin A

Creatine kinase; Macro creatine kinase; Creatine kinase isozyme; Creatine kinase subform; Immune complex (Kanemitsu, F. (197) 9)

Immunoglobulin genes

T cell receptor genes; Gene rearrangement; Receptor diversity; Southern blot analysis; Clonality; Clonal proliferation; DNA extraction; Restriction enzymes; Restriction maps; DNA probes; IgH genes; Igκ genes; Igλ genes; TcR-β genes; TcR-γ genes; TcR-δ genes; Genetic polymorphism; Detection limit (Van Dongen, J.J.M. (198) 1)

T cell receptor genes; Gene rearrangement; Southern blot analysis; Lymphoid differentiation; Leukemias; Malignant lymphomas; Clonality; Oligoclonal; Clonal progression; Lineage infidelity; Immunodeficiency; Benign clonal proliferations; Richter's syndrome; Minimal residual disease (Van Dongen, J.J.M. (198) 93)

Immunoturbidimetry

Apo A1; Apo B; Rate nephelometry (Glueck, C.J. (197) 121)

In vitro stability

h-ANP; Aprotinin; Phosphoramidon (Artner-Dworzak, E. (203) 235)

Inborn error

MCAD; Skin fibroblasts; GC/MS; Mitochondrial β-oxidation (Niezen-Koning, K.E. (199) 173)

Peroxisomal disorder; Bile acids; Zellweger syndrome; Peroxisome; Peroxisomal β-oxidation (Wanders, R.J.A. (202) 123)

Inborn errors of metabolism

Urinary metabolic screening; Glycerol; Glycerol kinase deficiency (Kohlschütter, A. (198) 203)

Infection

Elastase; Fulminant hepatic failure; α₁-Antitrypsin (Langley, P.G. (200) 211)

Infective endocarditis

Creatine kinase; Activation energy; Bacteremia (De Scheerder, I.K. (197) 115)

Inflammation

Zinc; Leucocytes; Mononuclear cells; Polymorphonuclear cells; Plasma (Peretz, A. (203) 35)

Inflammatory disease

Neopterin; Pterins; Cytokine; Interferon (Müller, M.M. (201) 1)

Inherited metabolic disorder

Carnitine; Organic aciduria; Propionic aciduria; Methylmalonic aciduria; NMR spectroscopy (Davies, S.E.C. (204) 263)

Insulin

Glycemic clamp; Fatty acid composition (Pelikánová, T. (203) 329)

Intact parathyroid hormone assay

Mid region parathyroid hormone; Ethylene diamine tetraacetic acid-infusion test; Hyperthyroidism (Bergenfelz, A. (197) 229)

Integrins

Monoclonal antibodies; Enzyme immunoassay; Liver disease (Katayama, M. (202) 179)

Interferon

Neopterin; Pterins; Inflammatory disease; Cytokine (Müller, M.M. (201) 1)

Interferon-γ

N-acetyl-β-D-Glucosaminidase isoenzyme; Monocyte-derived macrophage; Zymosan (Bourbouze, R. (199) 185)

Interleukin 6

Hypogalactosylation; IgG; Oligosaccharide; Castleman disease (Nakao, H. (197) 221)

Internal standard

Spectrin; Erythrocyte membrane (human); Quantitative analysis; SDS-PAGE; Pancreatic trypsin inhibitor (Kunitz) (Yoshida, H. (199) 99)

Intestinal alkaline phosphatase

Alkaline phosphatase isozyme; ABO blood groups; Secretor phenotype; Monoclonal antibody (Domar, U. (203) 305)

Intraspinal injections

Acute lymphoblastic leukemia; Arachnoid; Corticosteroids; Fibroproliferative response; Methotrexate (Vainionpää, L. (203) 47)

Inulin assay

High-performance liquid chromatography; Glomerular filtration rate; Extracellular fluid space; Inulin kinetics (Ruo, T.I. (204) 217)

Inulin kinetics

Inulin assay; High-performance liquid chromatography; Glomerular filtration rate; Extracellular fluid space (Ruo, T.I. (204) 217)

Ion selective electrode

Calcium; Saliva (Lagerlöf, F. (198) 175)

Ion-exchange chromatography

gamma-Aminobutyric acid; Reference values; Cerebrospinal fluid; Childhood; Fluorescence detection (Carchon, H.A. (201) 83)

Iron

Serum; Atomic absorption spectrometry; De-proteinization (De Benzo, Z.A. (197) 139)

Isoelectric focusing

Apolipoprotein E; Postmortem change; Storage; Immunoblotting (Lehtimäki, T. (203) 177)

Isoenzyme

Myocardial infarction; Human; Creatine kinase; Subform; Computer-fitting (Christenson, R.H. (200) 23)

Hydroxyproline; Alkaline phosphatase; Sickle cell disease; Saudi Arabia (Mohammed, S.M. (203) 285)

Isoenzymes

Diabetes; β -Hexosaminidase; Nephropathy; Plasma; Retinopathy (Hultberg, B. (196) 177)

Isoflavonoids

Lignan; Genistein; Gas chromatography; Mass spectrometry (Adlercreutz, H. (199) 263)

Isoflurane

Anesthesia; F-protein; Hepatitis; Liver; Halothane (Cooper, C.M. (202) 73)

Isoform

Isozyme; Serum protein; Biotinidase; Immunoblotting (Hart, P.S. (197) 257)

Isotransferrin

Pregnancy (Van Dijk, J.P. (203) 1)

Isovaleric acidemia

Prenatal diagnosis; Tandem mass spectrometry; Carnitine (Shigematsu, Y. (203) 369)

Isozyme

Isoform; Serum protein; Biotinidase; Immunoblotting (Hart, P.S. (197) 257)

J**Japanese subjects**

Apolipoprotein; Turbidimetric immunoassay;
Reference values; Age- and sex-related differ-
ences (Noma, A. (199) 147)

Jejunal fluid

Lactase; Children; Tissue source (Quak, S.H.
(204) 145)

K

3-Ketobutylidene β -2-chloro-4-nitrophenyl-maltopentaoside
 α -Amylase (Teshima, S. (199) 23)

Kidney
Angiotensin; Diuretics; Renin; Sodium; Urine
(Boer, P. (199) 195)

Ketones

Organic acids analysis; Oxoacids; Aldehydes
(Hoffmann, G.F. (199) 237)

L

Lactase

Jejunal fluid; Children; Tissue source (Quak, S.H. (204) 145)

Lactate

Screening test; Pyruvate; Metabolic inborn errors (Kuroda, Y. (199) 17)

Ceruloplasmin activity; Acute organ system failure (Dauberschmidt, R. (199) 167)

Lactoferrin

Bone marrow transplantation; Plasma lactoferrin; Enzyme immunoassay (Suzuki, T. (202) 111)

Latex immunonephelometric assay

Myoglobin (Massoubre, C. (201) 223)

LBSA determination

Serum glycoproteins; Gel electrophoresis and chromatography; Lipid analysis (Végh, Z. (203) 259)

LDH

Histiocytosis X; Blood cells; Monocyte; Lymphocyte; MDH (Perlino, E. (200) 153)

LDL particle size

Low density lipoprotein; Type IIb hyperlipoproteinemia; Simvastatin (Zhao, S.P. (203) 109)

LDL subfractions

Familial hypercholesterolemia; Density gradient ultracentrifugation; Sex difference (Tilly-Kiesi, M.K. (201) 65)

LDL-apheresis

Homozygous familial hypercholesterolemia; Fibronectin; Dextran-sulfate (Erlich, D. (201) 169)

Lecithin : cholesterol-acyltransferase

Apolipoprotein A_{II}; Glycation (Gugliucci, A. (204) 37)

Lectin

Sialidase; Enzymatic assay (Lambré, C.R. (198) 183)

Blood; Electrophoresis; Ethanol; Fucose; Haptoglobin; Tobacco (Thompson, S. (201) 59)

Leucocytes

Zinc; Mononuclear cells; Polymorphonuclear cells; Plasma; Inflammation (Peretz, A. (203) 35)

Leukemias

Immunoglobulin genes; T cell receptor genes; Gene rearrangement; Southern blot analysis; Lymphoid differentiation; Malignant lymphomas; Clonality; Oligoclonality; Clonal progression; Lineage infidelity; Immunodeficiency; Benign clonal proliferations; Richter's syndrome; Minimal residual disease (Van Dongen, J.J.M. (198) 93)

Leukocyte

Aminopeptidase P; Dipeptidyl peptidase IV; Lymphocyte; Phytohemagglutinin stimulation (Hendriks, D. (196) 87)

Leukodystrophy

Canavan's disease; Aspartoacylase; Spongy degeneration of brain (Barash, V. (201) 175)

Light

Porphyrin; Photosensitizer; Hydrogen peroxide; Singlet oxygen; Hydroxyl (Aravind Menon, I. (202) 237)

Lignan

Genistein; Isoflavonoids; Gas chromatography; Mass spectrometry (Adlercreutz, H. (199) 263)

Limulus test

Whole blood; Endotoxin; β -D-Glucan; Chromogenic substrate; Gram-negative bacterial sepsis (Tamura, H. (200) 35)

Lineage infidelity

Immunoglobulin genes; T cell receptor genes; Gene rearrangement; Southern blot analysis; Lymphoid differentiation; Leukemias; Malignant lymphomas; Clonality; Oligoclonality; Clonal progression; Immunodeficiency; Benign clonal proliferations; Richter's syndrome; Minimal residual disease (Van Dongen, J.J.M. (198) 93)

Lipid

Human aortic elastin; Atherosclerotic; Cation; Elastolysis (Saulnier, J.M. (200) 129)

Lipid analysis

LBSA determination; Serum glycoproteins; Gel electrophoresis and chromatography (Végh, Z. (203) 259)

Lipid peroxidation

Alzheimer's disease; Aluminum; Zinc; Vitamin E (Haines, A. (198) 261)

Asthma bronchiale; Red blood cells; Oxidative sensitivity; Antioxidant enzymes (Novák, Z. (201) 247)

Lipid peroxide

Myocardial infarction; Malondialdehyde; Detoxification enzymes (Loeper, J. (196) 119)

Lipid profiles

Low density lipoprotein cholesterol (LDLC); High density lipoprotein cholesterol (HDLC); Coronary heart disease; Lipid Research Clinics (LRC) cholesterol; Standardization program (Mace, R. (204) 189)

Lipid Research Clinics (LRC) cholesterol

Lipid profiles; Low density lipoprotein cholesterol (LDLC); High density lipoprotein cholesterol (HDLC); Coronary heart disease; Standardization program (Mace, R. (204) 189)

Lipid transfer protein, nonspecific

Cholesterol 7 α -hydroxylase; Gallstone; Bile acid biosynthesis (Kawata, S. (197) 201)

Lipolysis

Beta-2 receptor tolerance; Free fatty acids; Triglyceride (Kendall, M.J. (204) 51)

Lipoprotein

Cerebrotendinous xanthomatosis; Atherogenic risk factor; Serum lipid; Coronary artery disease; Atherosclerosis (Fujiyama, J. (200) 1)

Lipoprotein lipase

Very low density lipoprotein; Fatty acid; Apoprotein (Saheki, S. (204) 155)

Lipoprotein metabolism

Cholesteryl ester; Simvastatin; Compartmental analysis; Modelling; (human) (Magot, T. (196) 59)

 β -Lipoprotein

High-performance liquid chromatography (HPLC); Bilirubin distribution; Albumin (Soltés, L. (201) 35)

Liquid chromatography-mass spectrometry

Hyperornithinemia-hyperammonemia-homocitrullinuria; Mitochondrial transport; Stable isotope; Ornithine (Tsujino, S. (201) 129)

Liver

Anaesthesia; F-protein; Hepatitis; Halothane; Isoflurane (Cooper, C.M. (202) 73)

Triglyceride; Fatty acids; Reye's syndrome; Hepatic desaturase (Kang, E.S. (204) 167)

Liver cirrhosis

Phenethylamine; Hepatic encephalopathy; Biogenic amine; Liver disease (Yonekura, T. (199) 91)

Liver disease

Alkaline phosphatase; Bone disease; Reference interval; Affinity chromatography; Immunoassay (Gonchoroff, D.G. (199) 43)

Phenethylamine; Hepatic encephalopathy; Biogenic amine; Liver cirrhosis (Yonekura, T. (199) 91)

Integrins; Monoclonal antibodies; Enzyme immunoassay (Katayama, M. (202) 179)

Liver ischemia

Free fatty acids; Rat; Hepatic encephalopathy; Porta caval shunt (Smit, J.J.H. (197) 95)

Liver mitochondria

Ornithine carbamyl transferase; Ammonia assay; Glutamate dehydrogenase; Mitochondrial aspartate aminotransferase (Peltenburg, H.G. (203) 395)

Low density lipoprotein

Coronary heart disease; Hypercholesterolemia; Receptor (Joven, J. (197) 67)

Platelet activating factor (PAF); PAF acetylhydrolase; High density lipoprotein; Cholesterol (Satoh, K. (202) 95)

LDL particle size; Type IIb hyperlipoproteinemia; Simvastatin (Zhao, S.P. (203) 109)

Low density lipoprotein cholesterol (LDLC)

Lipid profiles; High density lipoprotein cholesterol (HDLC); Coronary heart disease; Lipid Research Clinics (LRC) cholesterol; Standardization program (Mace, R. (204) 189)

Lp (a)

Fish oil; n-3 fatty acids (Berg Schmidt, E. (198) 271)

Hypercholesterolemia; HMG-CoA reductase inhibitor; Pravastatin; Acute-phase response; Coronary heart disease (CHD) (Fieseler, H.-G. (204) 291)

Lung cancer

Type III collagen; Collagenolytic enzyme; Collagenase; Fibril assay (Kawamura, M. (203) 225)

Lupus nephritis

Serum laminin; Minimal change nephrosis; Membranous glomerulonephritis; Diabetic nephropathy; Renal cell carcinoma (Horikoshi, S. (196) 185)

Lymphocyte

Aminopeptidase P; Dipeptidyl peptidase IV; Leukocyte; Phytohemagglutinin stimulation (Hendriks, D. (196) 87)

Acute intermittent porphyria; ELISA; Erythrocyte; Porphobilinogen deaminase (Lilius, L. (197) 77)

Histiocytosis X; Blood cells; Monocyte; LDH; MDH (Perlino, E. (200) 153)

Betaine: homocysteine methyltransferase; Fibroblast; Betaine; Homocysteine; Vascular disease (Wang, J. (204) 239)

Lymphoid cell lines

Arylsulfatase A; Cerebroside sulfatase; Arylsulfatase B; Metachromatic leukodystrophy; Mucopolysaccharidosis type VI (Maroteaux-Lamy syndrome); Multiple sulfatase deficiency (Tempesta, M.-C. (202) 149)

Lymphoid differentiation

Immunoglobulin genes; T cell receptor genes; Gene rearrangement; Southern blot analysis; Leukemias; Malignant lymphomas; Clonality; Oligoclonality; Clonal progression; Lineage infidelity; Immunodeficiency; Benign clonal proliferations; Richter's syndrome; Minimal residual disease (Van Dongen, J.J.M. (198) 93)

Lysosomal disorders

Metachromatic leukodystrophy; Gaucher disease; Tay-Sachs disease; Polymerase chain reaction; Arylsulfatase A; Pseudodeficiency (Louie, E. (199) 7)

Lysosomal enzymes

Aqueous humor; Glaucoma; Cataracts (Weinreb, R.N. (199) 1)

β -N-Acetylglucosaminidase; β -Glucuronidase; Aryl-sulfatase; Saphen (Hayer, M. (203) 343)

Lysosomal storage disorder

Urinary glucocerebrosidase; Gaucher disease; Asymptomatic Gaucher disease; Carrier detection; β -Glucuronidase; Glycosphingolipidoses (Aerts, J.M.F.G. (203) 349)

Lysosome

Hexosaminidase A; Enzyme; Acid hydrolases; Tay-Sachs disease; Genetic diseases (Den Tandt, W.R. (199) 231)

M

Macro creatine kinase

Creatine kinase; Creatine kinase isozyme; Creatine kinase subform; Immunoglobulin A; Immune complex (Kanemitsu, F. (197) 9)

α_2 -Macroglobulin

Asthma; Age; Elastase (Kilroe-Smith, T.A. (202) 47)

Oxygen radicals; Granulocytes; Reperfusion injury (Donnelly, P.K. (202) 55)

Maize

Celiac disease; Cellular immunity; Antibody; Wheat; Cereals (Skerritt, J.H. (204) 109)

Malignant hyperthermia

Sarcolemma and sarcoplasmic reticulum pig muscular membrane; Halothane; Spin labeling (Thomas, M.A. (200) 201)

Malignant lymphomas

Immunoglobulin genes; T cell receptor genes; Gene rearrangement; Southern blot analysis; Lymphoid differentiation; Leukemias; Clonality; Oligoclonality; Clonal progression; Lineage infidelity; Immunodeficiency; Benign clonal proliferations; Richter's syndrome; Minimal residual disease (Van Dongen, J.J.M. (198) 93)

Malondialdehyde

Myocardial infarction; Lipid peroxide; Detoxification enzymes (Loeper, J. (196) 119)

Maple syrup urine disease (MSUD)

Phenylketonuria (PKU); Tyrosinemia; Newborn screening; HPLC (Qu, Y. (203) 191)

Masking and demasking system

Serum zinc; Highly sensitive reagent; Microwell plates; Dual-wavelength spectrophotometry; Pediatric chemistry (Makino, T. (197) 209)

Mass spectrometry

Neutral steroids; Profiles; Urine; Gas-liquid chromatography; Oxytetracycline (Hämäläinen, E. (199) 205)

Lignan; Genistein; Isoflavonoids; Gas chromatography (Adlercreutz, H. (199) 263)

Matrix modification

Bismuth in blood and serum; Platinum; EAAS; Storage (Slikkerveer, A. (201) 17)

MCAD

Inborn error; Skin fibroblasts; GC/MS; Mitochondrial β -oxidation (Niezen-Koning, K.E. (199) 173)

G985 MCAD mutation

Medium-chain acyl-CoA dehydrogenase (MCAD) deficiency; β -Oxidation defect; G985 polymerase chain reaction (PCR) assay; Dried blood spots (Gregersen, N. (203) 23)

MDH

Histiocytosis X; Blood cells; Monocyte; Lymphocyte; LDH (Perlino, E. (200) 153)

Medium chain acylCoA dehydrogenase deficiency

Sudden infant death syndrome; Carnitine; Neonatal screening (Barns, R.J. (197) 27)

Medium-chain acyl-CoA dehydrogenase (MCAD) deficiency

β -Oxidation defect; G985 MCAD mutation; G985 polymerase chain reaction (PCR) assay; Dried blood spots (Gregersen, N. (203) 23)

Membrane cholesterol

Red blood cells (Macchia, T. (199) 59)

Membrane fluidity

Unstable hemoglobin; Free radicals; Peroxidation; Antioxidative enzymes; Splenectomy (Falcioni, G. (196) 153)

Membrane protein

Hereditary spherocytosis; Erythrocyte; Proteolytic susceptibility (Gaczyńska, M. (198) 267)

Membranous glomerulonephritis

Serum laminin; Minimal change nephrosis; Lupus nephritis; Diabetic nephropathy; Renal cell carcinoma (Horikoshi, S. (196) 185)

Metabolic inborn errors

Screening test; Pyruvate; Lactate (Kuroda, Y. (199) 17)

Metachromatic leukodystrophy

Gaucher disease; Tay-Sachs disease; Polymerase chain reaction; Arylsulfatase A; Pseudodeficiency; Lysosomal disorders (Louie, E. (199) 7)

[$1\text{-}^{14}\text{C}$]Acyl-sphingosine-galactose-3-sulfate; Radioactive sulfatides; Cerebroside sulfate sulfatase; Radioscanning (Masson, M. (201) 157)

Arylsulfatase A; Cerebroside sulfatase; Arylsulfatase B; Mucopolysaccharidosis type VI (Maroteaux-Lamy syndrome); Multiple sulfatase deficiency; Lymphoid cell lines (Tempsta, M.-C. (202) 149)

Methanogenesis

Hydrogen sulphide; Sulphate reduction; Human feces; Colon; Sulphidogenesis (Florin, T.H.J. (196) 127)

Methotrexate

Aminopterin; Diarrhea; Small intestine; Prostaglandin; Rat (Weiler, H. (199) 283)

Acute lymphoblastic leukemia; Arachnoid; Corticosteroids; Fibroproliferative response; Intraspinal injections (Vainionpää, L. (203) 47)

1-Methylinosine

Tumor marker; ELISA; Nucleoside; Urine; Human (D'Ambrosio, S.M. (199) 119)

Methylmalonic aciduria

Carnitine; Inherited metabolic disorder; Organic aciduria; Propionic acidemia; NMR spectroscopy (Davies, S.E.C. (204) 263)

Mevalonic aciduria

Cholesterol biosynthesis; Prenatal diagnosis; Carrier detection; Stable isotope dilution assay (Hoffmann, G.F. (198) 209)

 α_1 -Microglobulin

Diurnal variation; Osmolality (Itoh, Y. (201) 123)

beta-2-Microglobulin

Amyloid; Dementia; Dialysis (Annunziata, P. (201) 139)

Microheterogeneity

α_1 -Acid glycoprotein; Elderly; Crossed affinity-immunolectrophoresis (Kawerk, N. (202) 65)

α_1 -Acid glycoprotein; Orosomucoid; Human fetus; Concanavalin A (Seta, N. (203) 167)

Microscopic examination

Crystalluria; Coulter Counter (Hennequin, C. (200) 227)

Microsome

Glycosylation; Dolichylmonophosphate; Mitochondria; Muscle; Myopathy (Gasnier, F. (199) 69)

Microwell plates

Serum zinc; Highly sensitive reagent; Dual-wavelength spectrophotometry; Masking and demasking system; Pediatric chemistry (Makino, T. (197) 209)

Mid region parathyroid hormone

Intact parathyroid hormone assay; Ethylene diamine tetraacetic acid-infusion test; Hyperthyroidism (Bergenfelz, A. (197) 229)

Minimal change nephrosis

Serum laminin; Membranous glomerulonephritis; Lupus nephritis; Diabetic nephropathy; Renal cell carcinoma (Horikoshi, S. (196) 185)

Minimal residual disease

Immunoglobulin genes; T cell receptor genes; Gene rearrangement; Southern blot analysis; Lymphoid differentiation; Leukemias; Malignant lymphomas; Clonality; Oligoclonality; Clonal progression; Lineage infidelity; Immunodeficiency; Benign clonal proliferations; Richter's syndrome (Van Dongen, J.J.M. (198) 93)

Mitochondria

Glycosylation; Dolichylmonophosphate; Microsome; Muscle; Myopathy (Gasnier, F. (199) 69)

Mitochondrial aspartate aminotransferase

Ornithine carbamyl transferase; Liver mitochondria; Ammonia assay; Glutamate dehydrogenase (Peltenburg, H.G. (203) 395)

Mitochondrial β -oxidation

Inborn error; MCAD; Skin fibroblasts; GC/MS (Niezen-Koning, K.E. (199) 173)

Mitochondrial transport

Hyperornithinemia-hyperammonemia-homocitrullinuria; Liquid chromatography-mass spectrometry; Stable isotope; Ornithine (Tsujino, S. (201) 129)

Modelling

Cholesteryl ester; Simvastatin; Lipoprotein metabolism; Compartmental analysis; (human) (Magot, T. (196) 59)

Molecular mimicry

Rheumatoid arthritis; BSA; Antibody (Pérez-Maceda, B. (203) 153)

Monitoring

Phenylketonuria; Plasma phenylalanine; Enzymatic assay (Wendel, U. (201) 95)

Monoclonal antibodies

Enzyme linked immunosorbent assay; Plasma cholinesterase; Pregnancy, Puerperium (Whittaker, M. (199) 223)

Integrins; Enzyme immunoassay; Liver disease (Katayama, M. (202) 179)

Monoclonal antibody

Cerebrospinal fluid; Gangliosides; Sulfatide; Immunoaffinity; Cholera toxin (Davidsson, P. (197) 103)

Human ventricular myosin heavy chain; Myocardial necrosis (Simeonova, P.P. (201) 207)

Serum arylesterase; Cirrhosis; ELISA (Kawai, H. (202) 219)

Alkaline phosphatase isozyme; Intestinal alkaline phosphatase; ABO blood groups; Secretor phenotype (Domar, U. (203) 305)

Monocyte

Histiocytosis X; Blood cells; Lymphocyte; LDH; MDH (Perlino, E. (200) 153)

Monocyte-derived macrophage

N-acetyl- β -D-Glucosaminidase isoenzyme; Zymosan; Interferon- γ (Bourbouze, R. (199) 185)

Mononuclear cells

Zinc; Leucocytes; Polymorphonuclear cells; Plasma; Inflammation (Peretz, A. (203) 35)

Mucin

Colon; Feces; Glycoconjugate; Glycoprotein; Mucus (Clamp, J.R. (203) 243)

Mucopolysaccharidoses type VI (Maroteaux-Lamy syndrome)

Arylsulfatase A; Cerebroside sulfatase; Arylsulfatase B; Metachromatic leukodystrophy; Multiple sulfatase deficiency; Lymphoid cell lines (Tempesta, M.-C. (202) 149)

Mucus

Colon; Feces; Glycoconjugate; Glycoprotein; Mucin (Clamp, J.R. (203) 243)

Multiple myeloma

Serum protein; Fructosamine; Glucose metabolism (Montagna, M.P. (204) 123)

Multiple sclerosis

β -N-Acetylhexosaminidase; Automated procedure; Human cerebrospinal fluid; Human serum (Datti, A. (200) 73)

Multiple sulfatase deficiency

Arylsulfatase A; Cerebroside sulfatase; Arylsulfatase B; Metachromatic leukodystrophy; Mucopolysaccharidoses type VI (Maroteaux-Lamy syndrome); Lymphoid cell lines (Tempesta, M.-C. (202) 149)

Multivariate analysis

Serum isoferritin; Heterozygous β -thalassaemia; Spectrotype (Lasne, Y. (197) 85)

Muscle

Protease; Peptidase; Aminopeptidase (Mantle, D. (197) 35)

Glycosylation; Dolichylmonophosphate; Mitochondria; Microsome; Myopathy (Gasnier, F. (199) 69)

Myasthenia gravis

Anti-skeletal muscle antibody; Thymoma; Anti-acetylcholine receptor antibody (Ohta, M. (201) 201)

Myocardial infarction

Lipid peroxide; Malondialdehyde; Detoxification enzymes (Loeper, J. (196) 119)

Isoenzyme; Human; Creatine kinase; Subform;
Computer-fitting (Christenson, R.H. (200) 23)

Myocardial necrosis

Human ventricular myosin heavy chain; Mono-
clonal antibody (Simeonova, P.P. (201) 207)

Myoglobin

Latex immunonephelometric assay (Massoubre,
C. (201) 223)

Myonecrosis, Diagnosis

Sialidase (Neuraminidase); Sialidase antibodies;
Clostridia; ELISA; Patients (Roggentin, P. (196)
97)

Myopathy

Glycosylation; Dolichylmonophosphate; Mito-
chondria; Microsome; Muscle (Gasnier, F. (199)
69)

N

Neonatal screening

Sudden infant death syndrome; Carnitine; Medium chain acylCoA dehydrogenase deficiency (Barns, R.J. (197) 27)

Congenital hypothyroidism; Fluorometric enzyme immunoassay (Tuuminen, T. (202) 167)

Neopterin

Pterins; Inflammatory disease; Cytokine; Interferon (Müller, M.M. (201) 1)

Nephrocalcin

Protein-bound Gla urinary content; Calcium oxalate nephrolithiasis; Calcium stone formation inhibitors (Colette, C. (204) 43)

Nephropathy

Diabetes; β -Hexosaminidase; Isoenzymes; Plasma; Retinopathy (Hultberg, B. (196) 177)

Neurological diseases

Enzyme linked immunosorbent assay; Apolipoprotein E; Apolipoprotein B; Cerebrospinal fluid (Carlsson, J. (196) 167)

Neutral steroids

Profiles; Urine; Gas-liquid chromatography; Mass spectrometry; Oxytetracycline (Hämäläinen, E. (199) 205)

Neutrophils

Polymorphonuclear leucocytes; Hydrogen peroxide; Glutathione cycle; Respiratory burst; Photometric assay (Negri, M. (199) 305)

Newborn screening

Phenylketonuria (PKU); Maple syrup urine disease (MSUD); Tyrosinemia; HPLC (Qu, Y. (203) 191)

NIDDM

IgA; Serum immunoglobulins; IDDM (Rodríguez-Segade, S. (203) 135)

NMR spectroscopy

Carnitine; Inherited metabolic disorder; Organic aciduria; Propionic aciduria; Methylmalonic aciduria (Davies, S.E.C. (204) 263)

Non-esterified fatty acid

Arachidonic acid; Diabetes mellitus; Diabetic retinopathy; Eicosapentaenoic acid; Platelet aggregation (Myrup, B. (204) 251)

Norethindrone

Ethiny estradiol; Radioimmunoassay; Sephadex LH-20; Celite; Chromatography (Zacur, H.A. (204) 209)

Nucleoside

Tumor marker; ELISA; Urine; Human; 1-Methylinosine (D'Ambrosio, S.M. (199) 119)

O

Obesity

Body fat distribution; Serum lipoprotein; Age (Sönnichsen, A.C. (202) 133)

Oligoclonality

Immunoglobulin genes; T cell receptor genes; Gene rearrangement; Southern blot analysis; Lymphoid differentiation; Leukemias; Malignant lymphomas; Clonality; Clonal progression; Lineage infidelity; Immunodeficiency; Benign clonal proliferations; Richter's syndrome; Minimal residual disease (Van Dongen, J.J.M. (198) 93)

Oligosaccharide

Hypogalactosylation; IgG; Interleukin 6; Castleman disease (Nakao, H. (197) 221)

Galactosialidosis; Sialidosis; Subtype (Takahashi, Y. (203) 199)

Organic acids analysis

Oxoacids; Aldehydes; Ketones (Hoffmann, G.F. (199) 237)

Organic acids

3-Hydroxy-3-methylglutaric aciduria; Gas chromatography-mass spectrometry; Silylation; Derivatization; Urine analysis; Cot death (Mills, G.A. (204) 131)

Organic aciduria

Carnitine; Inherited metabolic disorder; Propionic acidaemia; Methylmalonic aciduria; NMR spectroscopy (Davies, S.E.C. (204) 263)

Ornithine carbamyl transferase

Liver mitochondria; Ammonia assay; Glutamate dehydrogenase; Mitochondrial aspartate aminotransferase (Peltenburg, H.G. (203) 395)

Ornithine

Hyperornithinemia-hyperammonemia-homocitrullinuria; Mitochondrial transport; Liquid chromatography-mass spectrometry; Stable isotope (Tsujino, S. (201) 129)

Orosomucoid

α_1 -Acid glycoprotein; Microheterogeneity; Human fetus; Concanavalin A (Seta, N. (203) 167)

Osmolality

Diurnal variation; α_1 -Microglobulin (Itoh, Y. (201) 123)

Oxalosis

Glycolic acid; Glyoxylic acid; Blood glycolic acid; Primary hyperoxaluria; Chronic renal failure (Petraruolo, M. (196) 17)

Oxidant/antioxidant properties of drugs

Autooxidation of L-3,4-dihydroxyphenylalanine to carbon monoxide; Head-space gas chromatography (Cooper, M.J. (202) 105)

β -Oxidation defect

Medium-chain acyl-CoA dehydrogenase (MCAD) deficiency; G985 MCAD mutation; G985 polymerase chain reaction (PCR) assay; Dried blood spots (Gregersen, N. (203) 23)

Oxidative sensitivity

Asthma bronchiale; Red blood cells; Antioxidant enzymes; Lipid peroxidation (Novák, Z. (201) 247)

Oxoacids

Organic acids analysis; Aldehydes; Ketones (Hoffmann, G.F. (199) 237)

Oxygen radicals

α_2 -Macroglobulin; Granulocytes; Reperfusion injury (Donnelly, P.K. (202) 55)

Oxytetracycline

Neutral steroids; Profiles; Urine; Gas-liquid chromatography; Mass spectrometry (Hämäläinen, E. (199) 205)

P

PAF

Platelet activating factor; PAF acetylhydrolase; Urine enzymes; Renal disease (Kirschbaum, B. (199) 139)

PAF acetylhydrolase

Platelet activating factor; PAF; Urine enzymes; Renal disease (Kirschbaum, B. (199) 139)

Platelet activating factor (PAF); Low density lipoprotein; High density lipoprotein; Cholesterol (Satoh, K. (202) 95)

Palladium chemical modification

Thallium determination; Graphite furnace atomic absorption spectrometry; Sodium chloride interference; Urine, blood analysis (Yang, Q. (204) 23)

p-Aminobenzoic acid

p-Aminosalicylic acid; Drug interference; Fluorescence; HPLC; Pancreatic function testing (Pemberton, P.W. (199) 253)

p-Aminosalicylic acid

p-Aminobenzoic acid; Drug interference; Fluorescence; HPLC; Pancreatic function testing (Pemberton, P.W. (199) 253)

Pancreatic function testing

p-Aminobenzoic acid; p-Aminosalicylic acid; Drug interference; Fluorescence; HPLC (Pemberton, P.W. (199) 253)

Pancreatic trypsin inhibitor (Kunitz)

Spectrin; Erythrocyte membrane (human); Quantitative analysis; SDS-PAGE; Internal standard (Yoshida, H. (199) 99)

Pancreatitis

Cholecystokinin (Springer, C.J. (198) 245)

Particle agglutination

Urine protein 1; Retinol-binding protein; Renal tubular dysfunction; Sex difference (Bernard, A. (201) 231)

Patients

Sialidase (Neuraminidase); Sialidase antibodies; Clostridia; Myonecrosis, Diagnosis; ELISA (Roggentien, P. (196) 97)

Pediatric chemistry

Serum zinc; Highly sensitive reagent; Microwell plates; Dual-wavelength spectrophotometry; Masking and demasking system (Makino, T. (197) 209)

Peptidase

Protease; Aminopeptidase; Muscle (Mantle, D. (197) 35)

Peptidoglycan monomer

Radioimmunoassay; Boc-tyrosyl-peptidoglycan monomer (Vranešić, B. (202) 23)

Peroxidation

Unstable hemoglobin; Free radicals; Antioxidative enzymes; Membrane fluidity; Splenectomy (Falcioni, G. (196) 153)

Peroxide-induced haemolysis

Vitamin E; Cystic fibrosis (James, D.R. (204) 279)

Peroxisomal disorder

Bile acids; Inborn error; Zellweger syndrome; Peroxisome; Peroxisomal β -oxidation (Wanders, R.J.A. (202) 123)

Peroxisomal β -oxidation

Peroxisomal disorder; Bile acids; Inborn error; Zellweger syndrome; Peroxisome (Wanders, R.J.A. (202) 123)

Peroxisome

Peroxisomal disorder; Bile acids; Inborn error; Zellweger syndrome; Peroxisomal β -oxidation (Wanders, R.J.A. (202) 123)

pH

Human blood serum; Aminoacid stability; Ultrafiltration; Storage; Temperature (Kornhuber, M.E. (197) 189)

Phenethylamine

Hepatic encephalopathy; Biogenic amine; Liver cirrhosis; Liver disease (Yonekura, T. (199) 91)

Phenylketonuria

Monitoring; Plasma phenylalanine; Enzymatic assay (Wendel, U. (201) 95)

Phenylketonuria (PKU)

Maple syrup urine disease (MSUD); Tyrosinemia; Newborn screening; HPLC (Qu, Y. (203) 191)

Phosphate

Heritable disorder; Genetics; Alkaline phosphatase; Phosphoethanolamine (Macfarlane, J.D. (202) 141)

Phosphoethanolamine

Heritable disorder; Genetics; Alkaline phosphatase; Phosphate (Macfarlane, J.D. (202) 141)

Phospholipase A₂

Albumin; Serum; Acute pancreatitis (Langton, S.R. (203) 249)

Phospholipids

Fatty acids; Silica Sep-Pak cartridge (Ellin, Å. (200) 59)

Phosphoramidon

h-ANP; In vitro stability; Aprotinin (Artner-Dworzak, E. (203) 235)

Phosphoribosylpyrophosphate synthetase

High-performance liquid chromatography; Gout; Pyrimidine 5'-nucleotidase deficiency (Sakuma, R. (203) 143)

Photometric assay

Polymorphonuclear leucocytes; Neutrophils; Hydrogen peroxide; Glutathione cycle; Respiratory burst (Negri, M. (199) 305)

Photosensitizer

Porphyrin; Light; Hydrogen peroxide; Singlet oxygen; Hydroxyl (Aravind Menon, I. (202) 237)

Phytohemagglutinin stimulation

Aminopeptidase P; Dipeptidyl peptidase IV; Leukocyte; Lymphocyte (Hendriks, D. (196) 87)

PIgA receptor

Free secretory component; Human bile FSC; Human serum FSC; PIgA transcytic pathway; FSC in liver disease (Perez, J.H. (197) 171)

PIgA transcytic pathway

Free secretory component; Human bile FSC; Human serum FSC; PIgA receptor; FSC in liver disease (Perez, J.H. (197) 171)

Pigment gallstones

Arachidonic acid; Cholesterol gallstones; Deoxycholic acid (Van Erpecum, K.J. (199) 295)

Plasma

C-Peptide; Rapid method; Radioimmunoassay (Sælsen, L. (196) 1)

Diabetes; β -Hexosaminidase; Isoenzymes; Nephropathy; Retinopathy (Hultberg, B. (196) 177)

Heparin; Anticoagulants; Free fatty acids (McGann, A.M. (197) 265)

Zinc; Leucocytes; Mononuclear cells; Polymorphonuclear cells; Inflammation (Peretz, A. (203) 35)

Plasma cholinesterase

Enzyme linked immunosorbent assay; Monoclonal antibodies; Pregnancy, Puerperium (Whittaker, M. (199) 223)

Plasma GHRH level

GHRH(1-29)-Gly₄-Cys-NH₂; GHRH RIA; Cultured GHRH-producing tumor cells (Zhang, C.-y. (202) 243)

Plasma glycine

HPLC; Gynecological surgery (Sherwood, R.A. (203) 275)

Plasma kallikrein-kinin system

Plasma prekallikrein; Discrete type autoanalyzer; *Pseudomonas aeruginosa* elastase (Shibusawa, Y. (200) 119)

Plasma lactoferrin

Lactoferrin; Bone marrow transplantation; Enzyme immunoassay (Suzuki, T. (202) 111)

Plasma phenylalanine

Phenylketonuria; Monitoring; Enzymatic assay
(Wendel, U. (201) 95)

Plasma prekallikrein

Discrete type autoanalyzer; Plasma kallikrein-kinin system; *Pseudomonas aeruginosa* elastase
(Shibuya, Y. (200) 119)

Platelet activating factor

PAF; PAF acetylhydrolase; Urine enzymes; Renal disease (Kirschbaum, B. (199) 139)

Platelet activating factor (PAF)

Radioimmunoassay; Saliva (Cooney, S.J. (200) 161)

PAF acetylhydrolase; Low density lipoprotein; High density lipoprotein; Cholesterol (Satoh, K. (202) 95)

Platelet aggregation

Fibronectin; Cell adhesion peptide; Diabetic retinopathy; Glaucoma; Retinal vein occlusion (Babizhayev, M.A. (196) 77)

Arachidonic acid; Diabetes mellitus; Diabetic retinopathy; Eicosapentaenoic acid; Non-esterified fatty acid (Myrup, B. (204) 251)

Platinum

Bismuth in blood and serum; EAAS; Matrix modification; Storage (Slirkerveer, A. (201) 17)

Pneumocystis carinii pneumonia

Bronchoalveolar lavage; Epithelial lining fluid; Respiratory membrane permeability; Sarcoidosis; Bronchial asthma (Van de Graaf, E.A. (196) 27)

Point mutations

Bisalbuminemia; Alloalbuminemia; Albumins IRE1 and IRE2; Albumin Dublin; Albumin genetic variants (Sakamoto, Ya. (204) 179)

Polyacrylamide gel

Alkaline phosphatase; Serum (Ramasamy, I. (199) 243)

Polymerase chain reaction

Metachromatic leukodystrophy; Gaucher disease; Tay-Sachs disease; Arylsulfatase A; Pseudodeficiency; Lysosomal disorders (Louie, E. (199) 7)

G985 polymerase chain reaction (PCR) assay

Medium-chain acyl-CoA dehydrogenase (MCAD) deficiency; β -Oxidation defect; G985 MCAD mutation; Dried blood spots (Gregersten, N. (203) 23)

Polymorphonuclear cells

Zinc; Leucocytes; Mononuclear cells; Plasma; Inflammation (Peretz, A. (203) 35)

Polymorphonuclear leucocytes

Neutrophils; Hydrogen peroxide; Glutathione cycle; Respiratory burst; Photometric assay (Negri, M. (199) 305)

Polyprenoid

Analgesic; Exercise; Sauna (Roine, R. (204) 13)

Porphobilinogen deaminase

Acute intermittent porphyria; ELISA; Erythrocyte; Lymphocyte (Lilius, L. (197) 77)

Porphyrin

Photosensitizer; Light; Hydrogen peroxide; Singlet oxygen; Hydroxyl (Aravind Menon, I. (202) 237)

8-Port injection valve

Flow injection analysis; Glucose; Blood serum (Araujo, A.N. (203) 67)

Porta caval shunt

Free fatty acids; Rat; Hepatic encephalopathy; Liver ischemia (Smit, J.J.H. (197) 95)

Postmortem change

Apolipoprotein E; Storage; Isoelectric focusing; Immunoblotting (Lehtimäki, T. (203) 177)

Potassium

Aging; Erythrocyte; Sodium; Sodium transport (Heseltine, D. (196) 41)

Pravastatin

Hypercholesterolemia; HMG-CoA reductase inhibitor; Lp (a); Acute-phase response; Coronary heart disease (CHD) (Fieseler, H.-G. (204) 291)

Prealbumin

Transthyretin; Cerebrospinal fluid; ELISA (Vatassery, G.T. (197) 19)

Pregnancy

Isoferritin (Van Dijk, J.P. (203) 1)

α_1 -Acid glycoprotein; Glycan (Biou, D. (204) 1)

Pregnancy proteins

Affinity chromatography; Amniotic fluid; Immunoelectrophoresis (Sørensen, S. (202) 199)

Pregnancy, Puerperum

Enzyme linked immunosorbent assay; Monoclonal antibodies; Plasma cholinesterase (Whittaker, M. (199) 223)

Prenatal diagnosis

Mevalonic aciduria; Cholesterol biosynthesis; Carrier detection; Stable isotope dilution assay (Hoffmann, G.F. (198) 209)

Isovaleric acidemia; Tandem mass spectrometry; Carnitine (Shigematsu, Y. (203) 369)

Primary biliary cirrhosis

Selenium; Glutathione peroxidase (Välimäki, M. (196) 7)

Primary hyperoxaluria

Glycolic acid; Glyoxylic acid; Blood glycolic acid; Oxalosis; Chronic renal failure (Petrarulo, M. (196) 17)

Pro-colipase activation peptide

Enzyme-linked immunosorbent assay; Satiety; Acute pancreatitis (Bowyer, R.C. (200) 137)

Procollagen III

Hepatic fibrosis; Chronic liver diseases; Collagen peptidase (Müller, A. (197) 59)

Profiles

Neutral steroids; Urine; Gas-liquid chromatography; Mass spectrometry; Oxytetracycline (Hämäläinen, E. (199) 205)

Propionic acidaemia

Carnitine; Inherited metabolic disorder; Organic aciduria; Methylmalonic aciduria; NMR spectroscopy (Davies, S.E.C. (204) 263)

Prostaglandin

Aminopterin; Methotrexate; Diarrhea; Small intestine; Rat (Weiler, H. (199) 283)

Protease

Peptidase; Aminopeptidase; Muscle (Mantle, D. (197) 35)

Protein-bound Gla urinary content

Calcium oxalate nephrolithiasis; Nephrocalcin; Calcium stone formation inhibitors (Colette, C. (204) 43)

Proteinuria

Adenosine-deaminase-binding protein; Renal tubular function; Renal tubular disorders (Flynn, F.V. (200) 183)

Proteolysis

Erythrocyte; Down's syndrome; Antioxidative enzymes (Bartosz, G. (198) 239)

Proteolytic susceptibility

Hereditary spherocytosis; Erythrocyte; Membrane protein (Gaczyńska, M. (198) 267)

Proteus mirabilis

Urolithiasis; Urine; Crystal inhibitor; Struvite; Pyrophosphate (McLean, R.J.C. (200) 107)

Pseudodeficiency

Metachromatic leukodystrophy; Gaucher disease; Tay-Sachs disease; Polymerase chain reaction; Arylsulfatase A; Lysosomal disorders (Louie, E. (199) 7)

Pseudomonas aeruginosa elastase

Plasma prekallikrein; Discrete type autoanalyzer; Plasma kallikrein-kinin system (Shibuya, Y. (200) 119)

Pterins

Neopterin; Inflammatory disease; Cytokine; Interferon (Müller, M.M. (201) 1)

Purine metabolism

Allele specific oligonucleotide; Dot-blot hybridization; Germline mutation; Urolithiasis; Avidin-biotin; Chemiluminescence (Kawaguchi, R. (203) 183)

[¹⁴C]Putrescine

Diamine oxidase (Smith, C.H. (201) 89)

Pyrimidine 5'-nucleotidase

Erythrocyte; Fast electrophoretic mobility (Li, J.-Y. (200) 43)

Pyrimidine 5'-nucleotidase deficiency

High-performance liquid chromatography; Phosphoribosylpyrophosphate synthetase; Gout (Sakuma, R. (203) 143)

Pyroglutamic acid

Hyperammonemia; Urea cycle defects (Nakaniishi, T. (197) 249)

Pyrophosphate

Urolithiasis; Urine; *Proteus mirabilis*; Crystal inhibitor; Struvite (McLean, R.J.C. (200) 107)

Pyruvate

Screening test; Lactate; Metabolic inborn errors (Kuroda, Y. (199) 17)

Q

Quantitative analysis

Spectrin; Erythrocyte membrane (human);
SDS-PAGE; Pancreatic trypsin inhibitor (Kunitz); Internal standard (Yoshida, H. (199) 99)

R

Radioactive sulfatides

[$1\text{-}^{14}\text{C}$]Acyl-sphingosine-galactose-3-sulfate; Cerebroside sulfate sulfatase; Radioscanning; Metachromatic leukodystrophy (Masson, M. (201) 157)

Radioimmunoassay

C-Peptide; Rapid method; Plasma (Sælsen, L. (196) 1)

Platelet activating factor (PAF); Saliva (Cooney, S.J. (200) 161)

Peptidoglycan monomer; Boc-tyrosyl-peptidoglycan monomer (Vranešić, B. (202) 23)

Arylsulfatase A; Serum concentration; Cancer (Laidler, P. (204) 69)

Norethindrone; Ethinyl estradiol; Sephadex LH-20; Celite; Chromatography (Zacur, H.A. (204) 209)

Radioscanning

[$1\text{-}^{14}\text{C}$]Acyl-sphingosine-galactose-3-sulfate; Radioactive sulfatides; Cerebroside sulfate sulfatase; Metachromatic leukodystrophy (Masson, M. (201) 157)

radiotherapy

γ -Glutamyl transpeptidase; Head and neck cancer; TNM stage (Singh, J. (203) 375)

Raman

Calculi; Calcium oxalates (Sudlow, K. (203) 387)

Rapid method

C-Peptide; Radioimmunoassay; Plasma (Sælsen, L. (196) 1)

Rat

Free fatty acids; Hepatic encephalopathy; Liver ischemia; Porta caval shunt (Smit, J.J.H. (197) 95)

Aminopterin; Methotrexate; Diarrhea; Small intestine; Prostaglandin (Weiler, H. (199) 283)

Creatine kinase release; Contractile activity; Skeletal muscle (West-Jordan, J.A. (203) 119)

Rate nephelometry

Apo A1; Apo B; Immunoturbidimetry (Glueck, C.J. (197) 121)

Receptor

Coronary heart disease; Hypercholesterolemia; Low density lipoprotein (Joven, J. (197) 67)

Receptor diversity

Immunoglobulin genes; T cell receptor genes; Gene rearrangement; Southern blot analysis; Clonality; Clonal proliferation; DNA extraction; Restriction enzymes; Restriction maps; DNA probes; IgH genes; Ig κ genes; Ig λ genes; TcR- β genes; TcR- γ genes; TcR- δ genes; Genetic polymorphism; Detection limit (Van Dongen, J.J.M. (198) 1)

Beta-2 receptor tolerance

Lipolysis; Free fatty acids; Triglyceride (Kendall, M.J. (204) 51)

Recursive partitioning

Discriminant analysis; Statistics; Hypercalcemia (Lacher, D.A. (204) 199)

Red blood cells

Membrane cholesterol (Macchia, T. (199) 59)

Asthma bronchiale; Oxidative sensitivity; Antioxidant enzymes; Lipid peroxidation (Novák, Z. (201) 247)

Reference interval

Serum catalase; Hydrogen peroxide and ammonium molybdate, complex of; Age and sex dependence (Góth, L. (196) 143)

Alkaline phosphatase; Bone disease; Liver disease; Affinity chromatography; Immunoassay (Gonchoroff, D.G. (199) 43)

Reference values

Apolipoprotein; Turbidimetric immunoassay; Age- and sex-related differences; Japanese subjects (Noma, A. (199) 147)

gamma-Aminobutyric acid; Cerebrospinal fluid; Childhood; Ion-exchange chromatography; Fluorescence detection (Carchon, H.A. (201) 83)

Renal cell carcinoma

Serum laminin; Minimal change nephrosis; Membranous glomerulonephritis; Lupus nephritis; Diabetic nephropathy (Horikoshi, S. (196) 185)

Renal disease

Platelet activating factor; PAF; PAF acetylhydrolase; Urine enzymes (Kirschbaum, B. (199) 139)

Renal failure

Serum amyloid P component; Amyloidosis; Hemodialysis; Continuous ambulatory peritoneal dialysis (Nelson, S.R. (200) 191)

Renal tubular disorders

Proteinuria; Adenosine-deaminase-binding protein; Renal tubular function (Flynn, F.V. (200) 183)

Renal tubular dysfunction

Urine protein 1; Retinol-binding protein; Particle agglutination; Sex difference (Bernard, A. (201) 231)

Renal tubular function

Proteinuria; Adenosine-deaminase-binding protein; Renal tubular disorders (Flynn, F.V. (200) 183)

Renin

Angiotensin; Diuretics; Kidney; Sodium; Urine (Boer, P. (199) 195)

Reperfusion injury

α_2 -Macroglobulin; Oxygen radicals; Granulocytes (Donnelly, P.K. (202) 55)

Respiratory burst

Polymorphonuclear leucocytes; Neutrophils; Hydrogen peroxide; Glutathione cycle; Photometric assay (Negri, M. (199) 305)

Respiratory chain

X-linked muscular dystrophy; Cytochrome c (Nigro, G. (202) 89)

Respiratory membrane permeability

Bronchoalveolar lavage; Epithelial lining fluid; Sarcoidosis; Bronchial asthma; Pneumocystis carinii pneumonitis (Van de Graaf, E.A. (196) 27)

Restriction enzymes

Immunoglobulin genes; T cell receptor genes; Gene rearrangement; Receptor diversity; Southern blot analysis; Clonality; Clonal proliferation; DNA extraction; Restriction maps; DNA probes; IgH genes; Ig κ genes; Ig λ genes; TcR- β genes; TcR- γ genes; TcR- δ genes; Genetic polymorphism; Detection limit (Van Dongen, J.J.M. (198) 1)

Restriction maps

Immunoglobulin genes; T cell receptor genes; Gene rearrangement; Receptor diversity; Southern blot analysis; Clonality; Clonal proliferation; DNA extraction; Restriction enzymes; DNA probes; IgH genes; Ig κ genes; Ig λ genes; TcR- β genes; TcR- γ genes; TcR- δ genes; Genetic polymorphism; Detection limit (Van Dongen, J.J.M. (198) 1)

Retinal vein occlusion

Platelet aggregation; Fibronectin; Cell adhesion peptide; Diabetic retinopathy; Glaucoma (Babizhayev, M.A. (196) 77)

Retinoic acid isomers

Retinol; Vitamin A; Diffuse idiopathic skeletal hyperostosis (Periquet, B. (203) 57)

Retinol

Retinoic acid isomers; Vitamin A; Diffuse idiopathic skeletal hyperostosis (Periquet, B. (203) 57)

Retinol-binding protein

Urine protein 1; Renal tubular dysfunction; Particle agglutination; Sex difference (Bernard, A. (201) 231)

Retinopathy

Diabetes; β -Hexosaminidase; Isoenzymes; Nephropathy; Plasma (Hultberg, B. (196) 177)

Reye's syndrome

Liver; Triglyceride; Fatty acids; Hepatic desaturase (Kang, E.S. (204) 167)

Rheumatoid arthritis

Erythrocyte; Clinical analysis; Graves' Disease;
Glutathione (Reglinski, J. (201) 45)

Molecular mimicry; BSA; Antibody (Pérez-Maceda, B. (203) 153)

Ribonuclease activity

Carrington's disease; Eosinophil-derived basic proteins; Urine (Deviller, P. (201) 105)

Richter's syndrome

Immunoglobulin genes; T cell receptor genes; Gene rearrangement; Southern blot analysis; Lymphoid differentiation; Leukemias; Malignant lymphomas; Clonality; Oligoclonality; Clonal progression; Lineage infidelity; Immunodeficiency; Benign clonal proliferations; Minimal residual disease (Van Dongen, J.J.M. (1989) 93)

S

Saliva

Calcium; Ion selective electrode (Lagerlöf, F. (198) 175)

Platelet activating factor (PAF); Radioimmunoassay (Cooney, S.J. (200) 161)

Saphen

Lysosomal enzymes; β -N-Acetylglucosaminidase; β -Glucuronidase; Aryl-sulfatase (Hayer, M. (203) 343)

Sarcoidosis

Bronchoalveolar lavage; Epithelial lining fluid; Respiratory membrane permeability; Bronchial asthma; Pneumocystis carinii pneumonitis (Van de Graaf, E.A. (196) 27)

Sarcolemma and sarcoplasmic reticulum pig muscular membrane

Malignant hyperthermia; Halothane; Spin labeling (Thomas, M.A. (200) 201)

Satiety

Enzyme-linked immunosorbent assay; Pro-colipase activation peptide; Acute pancreatitis (Bowyer, R.C. (200) 137)

Saudi Arabia

Hydroxyproline; Alkaline phosphatase; Isoenzyme; Sickle cell disease (Mohammed, S.M. (203) 285)

Sauna

Polypropenoid; Analgesic; Exercise (Roine, R. (204) 13)

Screening test

Pyruvate; Lactate; Metabolic inborn errors (Kuroda, Y. (199) 17)

SDS-PAGE

Spectrin; Erythrocyte membrane (human); Quantitative analysis; Pancreatic trypsin inhibitor (Kunitz); Internal standard (Yoshida, H. (199) 99)

Secretor phenotype

Alkaline phosphatase isozyme; Intestinal alkaline phosphatase; ABO blood groups; Monoclonal antibody (Domar, U. (203) 305)

Selenium

Primary biliary cirrhosis; Glutathione peroxidase (Välimäki, M. (196) 7)

Sephadex LH-20

Norethindrone; Ethinyl estradiol; Radioimmunoassay; Celite; Chromatography (Zacur, H.A. (204) 209)

Serum

Aminopeptidase A (Okuyama, T. (196) 207)

Iron; Atomic absorption spectrometry; Deproteinization (De Benzo, Z.A. (197) 139)

Alkaline phosphatase; Polyacrylamide gel (Ramasamy, I. (199) 243)

Phospholipase A₂; Albumin; Acute pancreatitis (Langton, S.R. (203) 249)

Creatinine deiminase; Urine; Bacterium BN11 (Gottschalk, E.M. (204) 223)

Serum amyloid P component

Amyloidosis; Renal failure; Hemodialysis; Continuous ambulatory peritoneal dialysis (Nelson, S.R. (200) 191)

Serum arylesterase

Cirrhosis; Monoclonal antibody; ELISA (Kawai, H. (202) 219)

Serum bile acid

Bioluminescence enzymatic analysis; Fluorescence enzymatic analysis; Gas chromatography-mass spectrometry (Rossi, S.S. (200) 63)

Serum carnosinase

Dipeptidase (Jackson, M.C. (196) 193)

Serum catalase

Hydrogen peroxide and ammonium molybdate, complex of; Reference interval; Age and sex dependence (Góth, L. (196) 143)

Serum concentration

Arylsulfatase A; Radioimmunoassay; Cancer (Laidler, P. (204) 69)

Serum glycoproteins

LBSA determination; Gel electrophoresis and chromatography; Lipid analysis (Végh, Z. (203) 259)

Serum immunoglobulins

IgA; IDDM; NIDDM (Rodríguez-Segade, S. (203) 135)

Serum isoferitin

Heterozygous β -thalassaemia; Spectrotype; Multivariate analysis (Lasne, Y. (197) 85)

Serum laminin

Minimal change nephrosis; Membranous glomerulonephritis; Lupus nephritis; Diabetic nephropathy; Renal cell carcinoma (Horikoshi, S. (196) 185)

Serum lipid

Cerebrotendinous xanthomatosis; Atherogenic risk factor; Lipoprotein; Coronary artery disease; Atherosclerosis (Fujiyama, J. (200) 1)

Serum lipoprotein

Cyclodextrin; Electrophoresis; Turbidimetry (Sharma, A. (199) 129)

Obesity; Body fat distribution; Age (Sönnichsen, A.C. (202) 133)

Serum protein

Isozyme; Isoform; Biotinidase; Immunoblotting (Hart, P.S. (197) 257)

Multiple myeloma; Fructosamine; Glucose metabolism (Montagna, M.P. (204) 123)

Serum zinc

Highly sensitive reagent; Microwell plates; Dual-wavelength spectrophotometry; Masking and demasking system; Pediatric chemistry (Makino, T. (197) 209)

Sex difference

Familial hypercholesterolemia; Density gradient ultracentrifugation; LDL subfractions (Tilly-Kies, M.K. (201) 65)

Urine protein 1; Retinol-binding protein; Renal tubular dysfunction; Particle agglutination (Bernard, A. (201) 231)

Short bowel syndrome

Amino acids; Chiral gas chromatography (Ketting, D. (204) 79)

Sialidase antibodies

Sialidase (Neuraminidase); Clostridia; Myonecrosis; Diagnosis; ELISA; Patients (Roggentin, P. (196) 97)

Sialidase

Lectin; Enzymatic assay (Lambré, C.R. (198) 183)

Sialidase (Neuraminidase)

Sialidase antibodies; Clostridia; Myonecrosis; Diagnosis; ELISA; Patients (Roggentin, P. (196) 97)

Sialidosis

Galactosialidosis; Oligosaccharide; Subtype (Takahashi, Y. (203) 199)

Sialyltransferase

Human plasma; Fluorometric assay; CMP-9-fluoresceinyl-NeuAc; Acceptor specificity (Gross, H.J. (197) 237)

Sickle cell anaemia

Histaminemia; Hypohistidinemia (Enwonwu, C.O. (203) 363)

Sickle cell disease

Hydroxyproline; Alkaline phosphatase; Isoenzyme; Saudi Arabia (Mohammed, S.M. (203) 285)

Silica Sep-Pak cartridge

Fatty acids; Phospholipids (Ellin, Å. (200) 59)

Silylation

3-Hydroxy-3-methylglutaric aciduria; Organic acids; Gas chromatography-mass spectrometry; Derivatization; Urine analysis; Cot death (Mills, G.A. (204) 131)

Simvastatin

Cholesteryl ester; Lipoprotein metabolism; Compartmental analysis; Modelling; (human) (Magot, T. (196) 59)

Low density lipoprotein; LDL particle size; Type IIb hyperlipoproteinemia (Zhao, S.P. (203) 109)

Singlet oxygen

Porphyrin; Photosensitizer; Light; Hydrogen peroxide; Hydroxyl (Aravind Menon, I. (202) 237)

Skeletal muscle

Damage; Cytosolic protein; Calcium (Jackson, M.J. (197) 1)

Creatine kinase release; Contractile activity; Rat (West-Jordan, J.A. (203) 119)

Skin fibroblasts

Inborn error; MCAD; GC/MS; Mitochondrial β -oxidation (Niezen-Koning, K.E. (199) 173)

Small intestine

Aminopterin; Methotrexate; Diarrhea; Prostaglandin; Rat (Weiler, H. (199) 283)

Smoking

Urine; Cotinine; HPLC; Colorimetric assay; Cigarettes low-yield (Kolonen, S.A. (196) 159)

Sodium

Aging; Erythrocyte; Potassium; Sodium transport (Heseltine, D. (196) 41)

Angiotensin; Diuretics; Kidney; Renin; Urine (Boer, P. (199) 195)

Sodium chloride interference

Thallium determination; Palladium chemical modification; Graphite furnace atomic absorption spectrometry; Urine, blood analysis (Yang, Q. (204) 23)

Sodium transport

Aging; Erythrocyte; Potassium; Sodium (Heseltine, D. (196) 41)

Southern blot analysis

Immunoglobulin genes; T cell receptor genes; Gene rearrangement; Receptor diversity; Clon-

ality; Clonal proliferation; DNA extraction; Restriction enzymes; Restriction maps; DNA probes; IgH genes; Ig κ genes; Ig λ genes; TcR- β genes; TcR- γ genes; TcR- δ genes; Genetic polymorphism; Detection limit (Van Dongen, J.J.M. (198) 1)

Immunoglobulin genes; T cell receptor genes; Gene rearrangement; Lymphoid differentiation; Leukemias; Malignant lymphomas; Clonality; Oligoclonality; Clonal progression; Lineage infidelity; Immunodeficiency; Benign clonal proliferations; Richter's syndrome; Minimal residual disease (Van Dongen, J.J.M. (198) 93)

Spectrin

Erythrocyte membrane (human); Quantitative analysis; SDS-PAGE; Pancreatic trypsin inhibitor (Kunitz); Internal standard (Yoshida, H. (199) 99)

Spectrotype

Serum isoferritin; Heterozygous β -thalassaemia; Multivariate analysis (Lasne, Y. (197) 85)

Spin labeling

Malignant hyperthermia; Sarcolemma and sarcoplasmic reticulum pig muscular membrane; Halothane (Thomas, M.A. (200) 201)

Splenectomy

Unstable hemoglobin; Free radicals; Peroxidation; Antioxidative enzymes; Membrane fluidity (Falcioni, G. (196) 153)

Spongy degeneration of brain

Canavan's disease; Aspartoacylase; Leukodystrophy (Barash, V. (201) 175)

Stable isotope

Hyperornithinemia-hyperammonemia-homocitrullinuria; Mitochondrial transport; Liquid chromatography-mass spectrometry; Ornithine (Tsujino, S. (201) 129)

Stable isotope dilution assay

Mevalonic aciduria; Cholesterol biosynthesis; Prenatal diagnosis; Carrier detection (Hoffmann, G.F. (198) 209)

Stable isotope labeling

Bile acids; Glycosylation (Matern, S. (203) 77)

Standardization program

Lipid profiles; Low density lipoprotein cholesterol (LDLC); High density lipoprotein cholesterol (HDLC); Coronary heart disease; Lipid Research Clinics (LRC) cholesterol (Mace, R. (204) 189)

Statistics

Discriminant analysis; Recursive partitioning; Hypercalcemia (Lacher, D.A. (204) 199)

Storage

Human blood serum; Aminoacid stability; Ultrafiltration; pH; Temperature (Kornhuber, M.E. (197) 189)

Bismuth in blood and serum; Platinum; EAAS; Matrix modification (Slakkerveer, A. (201) 17)

Apolipoprotein E; Postmortem change; Isoelectric focusing; Immunoblotting (Lehtimäki, T. (203) 177)

Struvite

Urolithiasis; Urine; *Proteus mirabilis*; Crystal inhibitor; Pyrophosphate (McLean, R.J.C. (200) 107)

Subclinical hypothyroidism

Hypothyroidism; Hyperlipoproteinemia; Thyroid-stimulating hormone; Coronary heart disease (Glueck, C.J. (201) 113)

Subform

Isoenzyme; Myocardial infarction; Human; Creatine kinase; Computer-fitting (Christenson, R.H. (200) 23)

Subtype

Galactosialidosis; Sialidosis; Oligosaccharide (Takahashi, Y. (203) 199)

Sudden infant death syndrome

Carnitine; Medium chain acylCoA dehydrogenase deficiency; Neonatal screening (Barns, R.J. (197) 27)

Sulfatide

Cerebrospinal fluid; Gangliosides; Immunoaffinity; Cholera toxin; Monoclonal antibody (Davidsson, P. (197) 103)

Sulphate reduction

Hydrogen sulphide; Human feces; Colon; Sulphidogenesis; Methanogenesis (Florin, T.H.J. (196) 127)

Sulphidogenesis

Hydrogen sulphide; Sulphate reduction; Human feces; Colon; Methanogenesis (Florin, T.H.J. (196) 127)

Synthesis

α_1 -Acid glycoprotein; Variants; Acute-phase (Eap, C.B. (203) 379)

T

T cell receptor genes

Immunoglobulin genes; Gene rearrangement; Receptor diversity; Southern blot analysis; Clonality; Clonal proliferation; DNA extraction; Restriction enzymes; Restriction maps; DNA probes; IgH genes; Igκ genes; Igλ genes; TcR-β genes; TcR-γ genes; TcR-δ genes; Genetic polymorphism; Detection limit (Van Dongen, J.J.M. (198) 1)

Immunoglobulin genes; Gene rearrangement; Southern blot analysis; Lymphoid differentiation; Leukemias; Malignant lymphomas; Clonality; Oligoclonality; Clonal progression; Lineage infidelity; Immunodeficiency; Benign clonal proliferations; Richter's syndrome; Minimal residual disease (Van Dongen, J.J.M. (198) 93)

Tandem mass spectrometry

Isovaleric acidemia; Prenatal diagnosis; Carnitine (Shigematsu, Y. (203) 369)

Tay-Sachs disease

Metachromatic leukodystrophy; Gaucher disease; Polymerase chain reaction; Arylsulfatase A; Pseudodeficiency; Lysosomal disorders (Louie, E. (199) 7)

Hexosaminidase A; Enzyme; Lysosome; Acid hydrolases; Genetic diseases (Den Tandt, W.R. (199) 231)

TcR-β genes

Immunoglobulin genes; T cell receptor genes; Gene rearrangement; Receptor diversity; Southern blot analysis; Clonality; Clonal proliferation; DNA extraction; Restriction enzymes; Restriction maps; DNA probes; IgH genes; Igκ genes; Igλ genes; TcR-γ genes; TcR-δ genes; Genetic polymorphism; Detection limit (Van Dongen, J.J.M. (198) 1)

TcR-δ genes

Immunoglobulin genes; T cell receptor genes; Gene rearrangement; Receptor diversity; Southern blot analysis; Clonality; Clonal proliferation;

DNA extraction; Restriction enzymes; Restriction maps; DNA probes; IgH genes; Igκ genes; Igλ genes; TcR-β genes; TcR-γ genes; Genetic polymorphism; Detection limit (Van Dongen, J.J.M. (198) 1)

TcR-γ genes

Immunoglobulin genes; T cell receptor genes; Gene rearrangement; Receptor diversity; Southern blot analysis; Clonality; Clonal proliferation; DNA extraction; Restriction enzymes; Restriction maps; DNA probes; IgH genes; Igκ genes; Igλ genes; TcR-β genes; TcR-δ genes; Genetic polymorphism; Detection limit (Van Dongen, J.J.M. (198) 1)

Temperature

Human blood serum; Aminoacid stability; Ultrafiltration; Storage; pH (Kornhuber, M.E. (197) 189)

β-thalassemia

IEF; Hb F Sardinia; $\Delta\gamma^T$ -chain; HPFH (Masala, B. (198) 195)

Thallium determination

Palladium chemical modification; Graphite furnace atomic absorption spectrometry; Sodium chloride interference; Urine, blood analysis (Yang, Q. (204) 23)

Thiamine

Erythrocyte; Transketolase; Apoenzyme; Thiamine diphosphate (Price, J. (202) 39)

Thiamine diphosphate

Erythrocyte; Transketolase; Apoenzyme; Thiamine (Price, J. (202) 39)

Thiocyanate : creatinine ratio

Urine; Cigarette smoking (Price, J. (204) 87)

Thymoma

Anti-skeletal muscle antibody; *Myasthenia gravis*; Anti-acetylcholine receptor antibody (Ohta, M. (201) 201)

Thyroid-stimulating hormone

Hypothyroidism; Subclinical hypothyroidism; Hyperlipoproteinemia; Coronary heart disease (Glueck, C.J. (201) 113)

Tissue source

Lactase; Jejunal fluid; Children (Quak, S.H. (204) 145)

TNM stage

γ -Glutamyl transpeptidase; Head and neck cancer; radiotherapy (Singh, J. (203) 375)

Tobacco

Blood; Electrophoresis; Ethanol; Fucose; Haptoglobin; Lectin (Thompson, S. (201) 59)

Tocopherol

LDL modification; Lipid peroxidation; Copper (Cominacini, L. (204) 57)

Total bilirubin

Bilirubin; Biliprotein; Azopigments; Gel-chromatography; Accuracy (Franzini, C. (203) 339)

Total thyroxine

Enzyme immunoassay; UltramicroElisa; Ultra-microanalytical system; β -Galactosidase conjugate; Hypothyroidism (Gonzalez, R.R. (197) 159)

Transketolase

Erythrocyte; Apoenzyme; Thiamine diphosphate; Thiamine (Price, J. (202) 39)

Transthyretin

Prealbumin; Cerebrospinal fluid; ELISA (Vattassery, G.T. (197) 19)

Triglyceride

Lipolysis; Beta-2 receptor tolerance; Free fatty acids (Kendall, M.J. (204) 51)

Liver; Fatty acids; Reye's syndrome; Hepatic desaturase (Kang, E.S. (204) 167)

Triglycerides

Bromine; VLDL-C (Corrigan, F.M. (204) 301)

Tumor marker

ELISA; Nucleoside; Urine; Human; 1-Methylinosine (D'Ambrosio, S.M. (199) 119)

Breast cancer; Carcinoma associated mucin antigens; CA15-3; CEA (Dnistrian, A.M. (200) 81)

Turbidimetric immunoassay

Apolipoprotein; Reference values; Age- and sex-related differences; Japanese subjects (Nomura, A. (199) 147)

Turbidimetry

Cyclodextrin; Serum lipoprotein; Electrophoresis (Sharma, A. (199) 129)

Type 2 diabetes

Fructosamine; Haemoglobin A_{1c}; Fasting blood glucose (MacRury, S.M. (199) 51)

Type IIb hyperlipoproteinemia

Low density lipoprotein; LDL particle size; Simvastatin (Zhao, S.P. (203) 109)

Type III collagen

Collagenolytic enzyme; Collagenase; Fibril assay; Lung cancer (Kawamura, M. (203) 225)

Tyrosinemia

Phenylketonuria (PKU); Maple syrup urine disease (MSUD); Newborn screening; HPLC (Qu, Y. (203) 191)

U

Ultracentrifugation

Free steroid; Free cortisol; Free prednisolone;
Ultrafiltration (Adachi, K. (200) 13)

Ultrafiltration

Human blood serum; Aminoacid stability; Storage;
pH; Temperature (Kornhuber, M.E. (197) 189)

Free steroid; Free cortisol; Free prednisolone;
Ultracentrifugation (Adachi, K. (200) 13)

Ultramicroanalytical system

Total thyroxine; Enzyme immunoassay; UltramicroElisa; β -Galactosidase conjugate; Hypothyroidism (Gonzalez, R.R. (197) 159)

UltramicroElisa

Total thyroxine; Enzyme immunoassay; Ultramicroanalytical system; β -Galactosidase conjugate;
Hypothyroidism (Gonzalez, R.R. (197) 159)

Unstable hemoglobin

Free radicals; Peroxidation; Antioxidative enzymes;
Membrane fluidity; Splenectomy (Falcioni, G. (196) 153)

Urea cycle defects

Pyroglutamic acid; Hyperammonemia (Nakaniishi, T. (197) 249)

Urinary glucocerebrosidase

Gaucher disease; Asymptomatic Gaucher disease;
Carrier detection; Lysosomal storage disorder;
 β -Glucuronidase; Glycosphingolipidoses (Aerts, J.M.F.G. (203) 349)

Urinary metabolic screening

Inborn errors of metabolism; Glycerol; Glycerol kinase deficiency (Kohlschütter, A. (198) 203)

Urinary oligosaccharides

HPLC; Glycoprotein degradation (Hommes, F.A. (203) 211)

Urine

Cotinine; HPLC; Colorimetric assay; Smoking;
Cigarettes low-yield (Kolonen, S.A. (196) 159)

Tumor marker; ELISA; Nucleoside; Human; 1-Methylinosine (D'Ambrosio, S.M. (199) 119)

Angiotensin; Diuretics; Kidney; Renin; Sodium (Boer, P. (199) 195)

Neutral steroids; Profiles; Gas-liquid chromatography; Mass spectrometry; Oxytetracycline (Hämäläinen, E. (199) 205)

Urolithiasis; *Proteus mirabilis*; Crystal inhibitor;
Struvite; Pyrophosphate (McLean, R.J.C. (200) 107)

Carrington's disease; Eosinophil-derived basic proteins; Ribonuclease activity (Deviller, P. (201) 105)

Guanidinoacetic acid; Guanidinoacetate kinase;
Enzymatic assay (Shirokane, Y. (202) 227)

Thiocyanate: creatinine ratio; Cigarette smoking (Prje, J. (204) 87)

Creatinine deiminase; Serum; Bacterium BN11 (Gottschalk, E.M. (204) 223)

Urine analysis

3-Hydroxy-3-methylglutaric aciduria; Organic acids; Gas chromatography-mass spectrometry;
Silylation; Derivatization; Cot death (Mills, G.A. (204) 131)

Urine, blood analysis

Thallium determination; Palladium chemical modification; Graphite furnace atomic absorption spectrometry; Sodium chloride interference (Yang, Q. (204) 23)

Urine enzymes

Platelet activating factor; PAF; PAF acetylhydrolase; Renal disease (Kirschbaum, B. (199) 139)

Urine protein I

Retinol-binding protein; Renal tubular dysfunction;
Particle agglutination; Sex difference (Bernard, A. (201) 231)

Glycated albumin; Glycated protein; m-Aminophenyl boronate affinity chromatography (Silver, A.C. (202) 11)

Purine metabolism; Allele specific oligonucleotide; Dot-blot hybridization; Germline mutation; Avidin-biotin; Chemiluminescence (Kawaguchi, R. (203) 183)

Urobilinogen (urobilin) determination

Zinc complex; Biological sample (Kotal, P. (202) 1)

Urolithiasis

Urine; *Proteus mirabilis*; Crystal inhibitor; Struvite; Pyrophosphate (McLean, R.J.C. (200) 107)

V

Variants

α_1 -Acid glycoprotein; Acute-phase; Synthesis (Eap, C.B. (203) 379)

Vascular disease

Betaine; homocysteine methyltransferase; Lymphocyte; Fibroblast; Betaine; Homocysteine (Wang, J. (204) 239)

Very low density lipoprotein

Lipoprotein lipase; Fatty acid; Apoprotein (Saheki, S. (204) 155)

Vitamin A

Retinoic acid isomers; Retinol; Diffuse idiopathic skeletal hyperostosis (Periquet, B. (203) 57)

Vitamin D-dependent

Calcium binding protein; Immunoassay (Zhu, Y. (201) 183)

Vitamin E

Alzheimer's disease; Aluminum; Zinc; Lipid peroxidation (Haines, A. (198) 261)

Peroxide-induced haemolysis; Cystic fibrosis (James, D.R. (204) 279)

VLDL-C

Bromine; Triglycerides (Corrigan, F.M. (204) 301)

W

Wheat

Celiac disease; Cellular immunity; Antibody;
Gluten; Gliadin (Penttila, I.A. (204) 95)

Celiac disease; Cellular immunity; Antibody;
Cereals; Maize (Skerritt, J.H. (204) 109)

Whole blood

Endotoxin; β -D-Glucan; Limulus test; Chromogenic substrate; Gram-negative bacterial sepsis (Tamura, H. (200) 35)

X

X-linked muscular dystrophy

Cytochrome c; Respiratory chain (Nigro, G.
(202) 89)

Z

Zellweger syndrome

Peroxisomal disorder; Bile acids; Inborn error; Peroxisome; Peroxisomal β -oxidation (Wanders, R.J.A. (202) 123)

Zinc complex

Urobilinogen (urobilin) determination; Biological sample (Kotal, P. (202) 1)

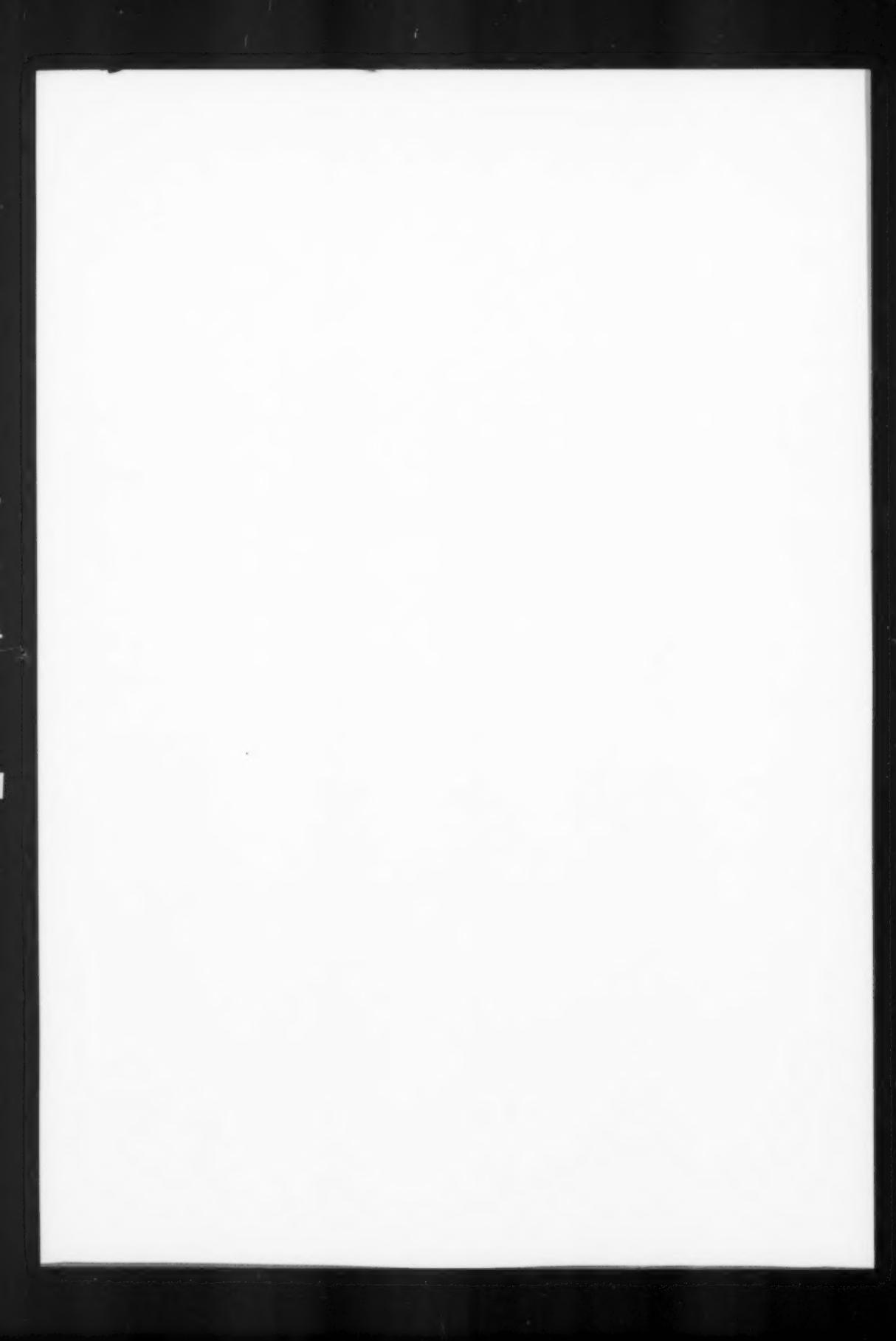
Zinc

Alzheimer's disease; Aluminum; Lipid peroxidation; Vitamin E (Haines, A. (198) 261)

Leucocytes; Mononuclear cells; Polymorphonuclear cells; Plasma; Inflammation (Peretz, A. (203) 35)

Zymosan

N-acetyl- β -D-Glucosaminidase isoenzyme; Monocyte-derived macrophage; Interferon- γ (Bourbouze, R. (199) 185)



Advances in Analytical Cellular Pathology

Proceedings of the First Conference of the European Society for Analytical Cellular Pathology, Schloss Elmau, Germany, 12-17 November 1989

edited by G. Burger, M. Oberholzer and G.P. Vooijis

INTERNATIONAL CONGRESS SERIES, 911

1990 xvi + 328 pages

Price: US \$ 114.50 / Dfl. 200.00

ISBN 0-444-81358-6

Over the years, the achievements made in image cytometry have led to an increasing interest in more general research in analytical cellular pathology and to clinical applications for the improvement of diagnosis, prognosis and treatment of pathological processes. This development, as with developments in flow cytometry and its applications are reflected in this book. This excellent collection of papers emphasizes the medical application of cytometry and provides a comprehensive overview of the state of the art in this quickly expanding field.

Contents: (Chapter headings not included, a full list of contents is available from the Publisher on request) SECTION 1. PART I. Specimen Preparation and Measurements. 1. Sample Preparation and Methodology (13 chapters, 57 contributors). 2. Software and Hardware Tools (9 chapters, 25 contributors). SECTION 2. 3. Cell Kinetics (5 chapters, 19 contributors). 4. Cytogenetics (9 chapters, 39 contributors). 5. Oncogenesis (3 chapters, 16 contributors). SECTION 3. 6. Immunocytochemistry (6 chapters, 17 contributors). 7. In situ Hybridization (6 chapters, 29 contributors). 8. Functional Markers (8 chapters, 29 contributors). PART 2. Applications in Diagnosis and Prognosis. 9. Gynecologic Prescreening and Cervical Cancer (11 chapters, 45 contributors). 10. Bladder and Prostate Cancer (8 chapters, 33 contributors). 11. Breast Cancer (14 chapters, 64 contributors). 12. Blood and Lymphatic System (14 chapters, 57 contributors). 13. Other Sites (19 chapters, 87 contributors). SECTION 4. 14. Radiation Effects (8 chapters, 27 contributors). 15. Drug Related Effects (11 chapters, 44 contributors). Index of Authors. Subject Index

EXCERPTA MEDICA is an imprint of



In the USA & Canada
Elsevier Science Publishing Co., Inc.
P.O. Box #82
Madison Square Station
New York, NY 10159
Fax: (New York) 212-633-3900
Tel: (New York) 212-969 5800
Telex: 428543

In the rest of the world
Elsevier Science Publishers
P.O. Box 299
1000 AD Amsterdam
The Netherlands
Fax: 31-20-5803 240
Tel: 31-20-5803 911
Telex: 16582 espo nl

ELSEVIER SCIENCE PUBLISHERS

The Dutch guilder price is definitive. US\$ prices are subject to exchange rate fluctuations. Prices are excl. B.T.W. for Dutch customers

This comprehensive book covers all important separation methods

Chromatography Today

by C.F. Poole and S.K. Poole, Wayne State University, Detroit, MI, USA

Chromatography Today provides an extensive coverage of all important chromatographic methods in a single text. Gas, liquid, thin layer and supercritical fluid chromatographic and capillary electrophoretic methods are handled with an emphasis on the contemporary practice.

Particular attention is given to the optimization of these techniques. Method selection then becomes a more logical process.

As an integral part of the total analytical technique, sample preparation methods as well as preparative scale separations are treated fully. The most common hyphenated techniques used for sample identification are also discussed.

Scope and level of **Chromatography Today** make the book suitable for:

- graduate level students as a textbook in separation science;
- professional institutes offering short courses in chromatography;
- chromatographers who may use the book to refresh their knowledge in the field.

Chromatography Today offers:

- a comprehensive collation of all relevant equations, physical constants and

general information used by chromatographers;

- extensive bibliography of recent literature to facilitate the location of specific items or areas of interest.

Chromatography Today is illustrated with over 200 figures, 110 tables and contains more than 3,330 references to contemporary literature.

Contents:

1. Fundamental Relationships of Chromatography.
2. The Column in Gas Chromatography.
3. Instrumental Aspects of Gas Chromatography.
4. The Column in Liquid Chromatography.
5. Instrumental Aspects of High Pressure Liquid Chromatography.
6. Supercritical Fluid Chromatography.
7. Thin-Layer Chromatography.
8. Sample Preparation for Chromatographic Analysis.
9. Hyphenated Methods for Identification after Chromatographic Separation.

Subject Index.

1991 x + 1026 pages

Price: US \$ 147.50 / Dfl. 295.00

ISBN 0-444-88492-0

Paperback:

Price: US \$ 75.00 / Dfl. 150.00

ISBN 0-444-89161-7



Elsevier Science Publishers

P.O. Box 211, 1000 AE Amsterdam, The Netherlands
P.O. Box 882, Madison Square Station, New York, NY 10159, USA

